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A. L. A.
List of Subject Headings

LIST OF

SUBJECT HEADINGS

FOR USE IN

DICTIONARY CATALOGS

PREPARED BY A COMMITTEE
OF THE
AMERICAN LIBRARY ASSOCIATION

THIRD EDITION
REVISED BY
MARY JOSEPHINE BRIGGS

AMERICAN LIBRARY ASSOCIATION
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PREFACE

THE history of a list of subject headings for the use of catalogers dates back to the Lakewood conference of the American Library Association, in 1892, when a committee consisting of Mr. Gardner M. Jones, Dr. G. E. Wire and Mr. C. A. Cutter was appointed for the purpose of collating catalogs and compiling from this information a list of subject headings which should represent the most approved usages. At the Chicago conference of the following year the committee reported progress, and the Publishing Section of the American Library Association was instructed to proceed with publication as soon as possible. At the Lake Placid conference, in 1894, the committee reported completion of the work, which was printed the next year. Three years later a second and somewhat revised and enlarged edition was issued and stereotyped, and this edition has been steadily in use by catalogers for the past thirteen years.

The growth and development of libraries, their increased use by the public and the many commercial, scientific and economic changes which have taken place of late, have long since made a new and thorough revision of this List of subject headings advisable. A steady demand for the second edition showed that the book was in very general use in libraries throughout the country. In 1906 the Publishing Board appointed, to take up the matter of a new edition, an advisory committee consisting of Mr. Gardner M. Jones, Miss Harriet B. Prescott, Mr. A. G. S. Josephson, Miss Margaret Mann, Miss Linda M. Clatworthy, Mr. J. C. M. Hanson and Miss Electra C. Doren. Later Miss Alice B. Kroeger and Miss Nina E. Browne were added to the committee. Miss Doren was unable to serve.

Miss Esther Crawford, a cataloger and library worker of much experience, was employed as editor for the new edition, and the work of collecting data and collating and comparing catalogs and catalogers' forms was begun late in 1906. After laboring with great diligence for more than two years and securing a large amount of material, Miss Crawford resigned in July, 1909, and the Board was fortunate in securing the services, in May, 1910, of Miss Mary J. Briggs, cataloger of the Buffalo public library, to carry the work to completion. Besides a trained knowledge of precisely what this bibliographical tool should be, Miss Briggs has brought to bear a most conscientious and painstaking care that only those can fully appreciate who have undertaken a similar task.

This third edition, as it now appears, is the result of co-operation and united effort on the part of many library workers, and it is the hope and belief of the Board that the present work has been so well done that no revision need be undertaken for a number of years to come. For a statement of the special features embodied, and explanation of certain policies followed reference may be made to the editor's introduction.

In the case of such liberal, hearty and wide-spread assistance as the Board and its editors have here received it is difficult to mention personally all those to whom credit is due. Gratitude is sincerely felt toward all who responded to the call of the editor in sending requested information, or who devoted no small time and effort to the work during the personal visits of the editor in charge. The Board feels, however, that particular mention must be made of the courtesy and helpfulness extended by the Library of Congress during an extended study of the catalog by Miss Crawford, by the Newark free public library, which so generously provided working quarters for her for over a year, and by the Buffalo public library, which has similarly furnished accommodations for the past year for Miss Briggs. It trusts that all who have so generously aided in this enterprise may feel abundantly paid by the good service to the library profession which this book now goes forth to render.

INTRODUCTION

IT has been found necessary to omit much that was comprised in the original plan for the third edition of the List of subject headings, in order that the size of the book might be kept within reasonable limits. The scope has been broadened by the inclusion of some of the more important historical events, including wars but not battles, the chief languages, literatures and ethnic races, and subheads for many of the larger subjects.

Technical and scientific terms, chemical and medicinal substances, animals and plants, virtues and vices, diseases, games, foods and other specific headings are included somewhat more liberally than in the second edition, the aim being to provide a checklist in these subjects for the smaller public libraries.

The following classes of headings are omitted:

1. Personal names.
2. Geographical names, except for a few regional headings and countries requiring historical subdivisions.
3. Names of months, days, processes in arithmetic, parts of speech.

In general, and particularly in the matter of subdivisions, the needs of the moderately large public library, of from 100,000 to 200,000 volumes, have been considered. No attempt has been made to meet the needs of college, technical or special libraries, which must of necessity make finer distinctions and closer subdivisions than would be useful in a popular library.

The catalogs most consulted in the revision are those of the Library of Congress, the John Crerar library, Columbia university library, Nebraska university library, Northwestern university library, and the public libraries of Brooklyn, Buffalo, Chicago, Cleveland, Dayton and Pittsburgh. Among indexes, the Readers' guide to periodical literature and Engineering index may be specially mentioned.

The headings of the second edition have been retained, except for such changes as have seemed desirable in order to conform to present use of terms. The more radical changes have been made in response to what seemed to be a very general demand, expressed by a decided majority of

the answers to questions published in the library periodicals and in personal interviews.

For the sake of uniformity, in choice of new terms the Library of Congress headings have been followed so far as they have seemed adapted to the use of popular libraries, omitting of course many subdivisions and technical terms which would be useful only in special or very large libraries.

In spelling, the simplified forms of the second edition have been retained, and a few others added, but it has not been thought best to advance in this line faster than generally accepted usage will warrant. The plural form is used rather than the singular, except where subjects are generally thought of under the singular. The singular form is used for fruits, in order that the same heading may cover both fruit and tree. The arrangement of compound words has occasioned so much perplexity to both makers and users of catalogs, that the hyphen has been eliminated as far as possible, following the latest available authority, Webster's new international dictionary.

Little has been attempted in the way of definition of headings beyond an occasional explanatory word or phrase. Space could not well be spared for many definitions, and it has been found difficult to frame them so as not to limit the subjects too closely. Therefore, except in a few cases where the meaning is very ambiguous, it has been left for the references to suggest the scope of the heading when not entirely self-explanatory.

As a concession to the very general tendency to look under the form rather than under the language for English dictionaries, grammars, etc., the English language has been made an exception to the regular treatment of languages, and several forms, e.g. dictionaries, grammar and spelling, entered directly under the form. The subheads for other languages are given under German language, and the same can be used for English in libraries where it is preferred that all material regarding that language be kept together.

All form names in American and English literature are included in the list, but of other literatures only those most likely to occur in popular libraries of moderate size. Literature, drama, essays, fiction and poetry are entered under the adjective; other forms under the form followed by the adjective name of nationality, except periodicals and newspapers where name of country is used: e.g. English literature; Humor, English; Periodicals — England. Reference should be made in every case from the country to the language and literature of that country. These references are indicated in the list for American literature and English language and literature only.

The subdivisions formerly printed in the appendices, except those for

cities which follow the introduction, are now included in the main alphabet. Country subheads are given under United States, in order that the many references may be indicated. The Library of Congress Preliminary list of subject subdivisions under countries and cities has been used as a basis, with modifications to adapt it to the needs of popular libraries.

Many subjects formerly subheaded under country are now referred to the subject with country subdivision. It is better as a rule to keep all matter relating to a city together, making double entry under city and subject when needed: e.g. Boston — Education; Education — Massachusetts; or, in a small library, Boston; Education; without subdivision.

The number of subdivisions to be used will, of course, vary with the size and character of the library. The small library will ignore the subheads for the most part, using them only for the largest countries, and for subjects upon which it may chance to possess considerable material. It will be easy to add subheads at any time, should material increase so as to require them. It is advised that a list of subheads used be placed at the beginning of each divided subject, and each subhead should have its own guide.

Since form subheads may be used with any subject having sufficient literature, no attempt has been made to indicate headings requiring such subdivision. At the end of the introduction will be found a list of forms applicable to any such subject. Under United States are given references to most subjects which will require country subdivision in public libraries, and under some of the more important subjects, examples of country subdivision are given, e.g. Education — U. S.

Experience has shown that the average reader generally disregards both logic and punctuation in consulting an alphabetically arranged card catalog. For this reason, all subdivisions, whether form, geographical or logical, and all inversions are arranged in one alphabet, regardless of punctuation, except only the period subdivisions of history, which are arranged chronologically. Since in this work the main entry word is not repeated, the punctuation for subjects subdivided is not indicated in the main alphabet. The dash is advised for all subdivisions, and, if preferred, may be used instead of the comma for inversions, e.g. Bacteriology — Agricultural.

To avoid confusion in checking, the *refer from* references have been printed in parallel columns at the right of the page. The references have been revised, many new ones added, and some, believed to be unnecessary, have been dropped. *See* references among the *refer froms* are indicated by (s). The possibilities of useful references are by no means exhausted in this list. Further references will suggest themselves in cataloging.

The best material on a specific subject is often found in a work upon a larger subject, so general in its nature that it is not advisable to analyze it.

References are therefore made from the specific to the general in cases where most general works can be expected to contain material on the specific subject. Care should be taken not to make a reference of this kind unless justified by the works actually in the library. If the books on arts and crafts contain nothing on mosaics, a reference from Mosaics to Arts and crafts would be useless and misleading. The same principle applies to other references, which should not be made in any case unless the book cataloged is of interest in connection with the subject from which reference is made. If the books entered under Cemeteries are descriptive only, no reference from Eminent domain to Cemeteries is required.

It will of course be understood that where the reference is simply "*see*" no subject entries are to be made under the heading referred from. Only those headings printed in bold-faced type are intended to be used for subject entries.

In many cases references are indicated to or from geographical headings, or subjects with geographical subdivision, which do not appear in the main alphabet. These are only suggestive of the possibilities for this kind of reference. References should be made from periods of history, arts, sciences and other subjects to names of people whose lives are of interest in connection with the subject.

Long lists of references to specific subjects may be avoided in some cases by general references, as for instance under Industrial arts and under Manufactures "*See also* names of industries"; but if there are few specific entries it is better to enumerate them, that the reader may see at a glance where further material may be found. Another method of shortening the lists of references is to refer from the most general to the next less inclusive heading, and from the latter to the next lower: e.g. Zoology *see also* Vertebrates; Vertebrates *see also* Mammals; Mammals *see also* Carnivora; and so on to the specific animal. As zoological families and genera are not included in this list, references have been made from orders to specific animals.

The references in a card catalog are more easily read if arranged in columns rather than in a solid paragraph, with two or three columns on a card according to the length of the headings.

The cataloger is advised to check headings and references as used and to add new headings required. If he wishes to use a different form of heading, it will be necessary to make the change wherever the heading occurs in the list, otherwise discrepancies will creep into the catalog.

The aim has been to choose such headings as shall make the catalog a useful tool in enabling the reader to find as quickly as possible the book he desires. To attain this end, consistency has sometimes been sacrificed to utility.

MARY JOSEPHINE BRIGGS.

SUBHEADS TO BE USED UNDER CITIES

Amusements
Annexations
Antiquities
Architecture
Arsenals
Art
Asylums *see* Hospitals and asylums
Atlases *see* Description—Maps
Banks
Benevolent institutions *see* Charities; Hospitals and asylums
Bibliography
Biography
Boundaries
Bridges
Business
Business associations
Carnivals *see* Festivals, etc.
Cemeteries
Census
Centennial celebrations, etc.
Charities
Churches
City hall
Claims
Climate
Clubs
Commerce *see* Business
Commercial institutions *see* Business associations
Conventions and public meetings
Courts
Crime and criminals
Customhouse
Description
  Guidebooks
  Maps
  Views
Directories
Ecclesiastical institutions *see* Churches; Religious institutions and affairs
Education
Elections
Epidemics
Exhibitions
Fairs
Ferries
Festivals, etc.
Finance
Financial institutions *see* Banks; Business associations
Fine arts *see* Art
Fires and fire prevention
Foreign population
Fortifications
Galleries and museums
Genealogy
Geology
Gilds
Government and politics
Guidebooks *see* Description — Guidebooks
Harbor
Historic houses, etc.
History
Hospitals and asylums
Hotels, taverns, etc.
Industries
Intellectual life
Labor and laboring classes
Learned institutions and societies
Libraries
Lighting
Literary institutions *see* Learned institutions and societies
Literature
Manners and customs *see* Social life and customs
Manufactures *see* Industries
Maps *see* Description — Maps
Markets
Monuments
Moral conditions
Morgues
Museums *see* Galleries and museums
Music
Musical organizations
Name
Parks
Paving *see* Streets
Police
Politics *see* Government and politics
Poor
Population
Post-office
Prisons and reformatories
Public buildings
Public lands
Public meetings *see* Conventions and public meetings
Public schools *see* Education
Public works
Railroads
Reformatories *see* Prisons and reformatories
Registers
Religious history
Religious institutions and affairs
Riots
Sanitary affairs
Schools *see* Education
Scientific institutions *see* Learned institutions and societies
Sewerage
Social conditions
Social life and customs
Statistics
Street railroads
Streets
Suburbs
Taxation
Theaters
Topography *see* Description
Views *see* Description — Views
Vital statistics *see* Statistics
Voters
Voting precincts
Wards
Water supply
Wharves

FORM SUBHEADS

Bibliography
Biography
Collected works
Collections
Dictionaries
Drama [about]
Essays, addresses, etc.
Fiction [about]
Handbooks
History
Outlines, syllabi, etc.
Periodicals and society publications
Poetry [about]
Statistics
Study and teaching

LIST OF SUBJECT HEADINGS

FOR USE IN

DICTIONARY CATALOGS

Abandoned farms *see* Farms, Abandoned
Abattoirs *see* Slaughtering and slaughterhouses

Abbeys
See also Cathedrals; Convents and nunneries; Monasteries; *also* names of abbeys, e.g. Westminster abbey
Refer from Catholic church; Church architecture; Church history; Convents and nunneries; Monasteries

Abbreviations
See also Ciphers; Shorthand
Refer from Ciphers; Contractions (s); Paleography; Shorthand; Writing

Abdomen
See also Anatomy; Intestines; Kidneys; Liver; Stomach; Viscera
Refer from Anatomy; Viscera

Aberration
See also Astronomy, Spherical and practical; Lenses; Light; Mirrors; Optical instruments
Refer from Astronomy; Astronomy, Spherical and practical; Light

——Mental, *see* Insanity

Ability
See also Efficiency, Industrial; Executive ability; Genius; Leadership; Talent
Refer from Efficiency, Industrial; Executive ability; Genius; Psychology; Talent

Abiogenesis *see* Spontaneous generation
Abnormal children *see* Children, Abnormal and backward
Abnormal psychology *see* Mental diseases
Abolition of slavery *see* Abolitionists; Slavery; Slavery in the U. S.

Abolitionists
See also Slavery in the U. S.
Refer from Abolition of slavery (s); Biography; Slavery in the U. S.

Aborigines *see* Ethnology; *also* names of aboriginal races, e.g. Indians
Abrasion (geology) *see* Erosion

Abrasives
See also Corundum; Geology, Economic; Grinding and polishing
Refer from Corundum; Geology, Economic; Grinding and polishing; Machine tools; Mineralogy

Abscess
See also Suppuration
Refer from Pathology; Suppuration

Absent treatment *see* Christian science; Mental healing

Absenteeism
See also Land tenure; Land tenure — Ireland
Refer from Agriculture — Ireland; Ireland — Economic conditions; Land tenure; Land tenure — Ireland; Landlord and tenant; Taxation

Absolute, The
See also Metaphysics
Refer from God; Metaphysics; Theology

Absolute rights *see* Natural law

Absolution
See also Confession; Indulgences; Penance

Refer from Catholic church; Church discipline; Church polity; Confession; Indulgences; Penance; Sin

Absolutism *see* Despotism

Absorption (physiology)
See also Digestion; Metabolism; Osmosis; Skin

Refer from Assimilation (s); Digestion; Metabolism; Nutrition; Osmosis; Physiological chemistry; Physiology

Absorption in soils *see* Soil absorption

Absorption of light
See also Light

Refer from Light

Absorption spectra *see* Spectra
Abstinence *see* Fasting; Temperance
Abstract writing *see* Précis writing
Abstracts of title *see* Land titles
Academic costume *see* Costume, Academic
Academic degrees *see* Degrees, Academic
Academies (learned societies) *see* Learned societies

Academies (schools)
See also Education, Secondary; Private schools

Refer from Education, Secondary; Preparatory schools (s); Private schools; Schools; Secondary schools (s)

Acadians
See also Nova Scotia

Refer from French-Canadians; Nova Scotia

Accent
See also Prosody; *also* names of languages, subhead Accents

Refer from Language; Prosody

Accidence *see* Grammar
Accident insurance *see* Insurance, Accident

Accidents
See also Ambulances; Boiler explosions; Burns and scalds; Collisions at sea; Damages; Disasters; Drowning; Employers' liability; Explosions; First aid in illness and injury; Insurance, Accident; Life-saving; Lightning; Mine accidents; Occupations, Dangerous; Poisons; Railroads — Accidents; Safety devices; Shipwrecks; Surgery; Wounds

Refer from Disasters; Drowning; Emergencies (s); Employers' liability; First aid in illness and injury; Injuries (s); Life-saving; Medicine; Occupations, Dangerous; Surgery

Acclimatization
See also Anthropogeography; Climate; Ecology; Environment; Tropics

Refer from Adaption (biology); Anthropogeography; Biology; Climate; Ecology; Environment; Tropics; Tropics — Diseases and hygiene

Acclimatization (plants)
See also Ecology; Plant introduction

Refer from Agriculture; Ecology; Gardening; Geographical distribution of animals and plants; Plant introduction; Plants — Acclimatization (s)

Accompaniment, Musical, *see* Musical accompaniment

Accounting
See also Arithmetic, Commercial; Auditing; Bookkeeping; Business; Card system in business; Cash registers; Cost accounting; Municipal accounts

Refer from Arithmetic, Commercial; Auditing; Bookkeeping; Business; Business education; Card system in business; Commerce; Cost accounting; Municipal accounts; Scientific management

Accumulators *see* Storage batteries
Acephala *see* Bivalves

Acetylene

Refer from Chemistry, Technical; Gas; Gas lighting; Gases; Lighting

Acids
See also Chemistry; *also* names of acids

Refer from Chemistry

Acknowledgments *See also* Deeds; Evidence	*Refer from* Deeds; Law; Notaries
Acoustics *see* Acoustics of buildings; Hearing; Sound	
Acoustics of buildings *See also* Architecture	*Refer from* Acoustics (s); Architectural acoustics (s); Architecture; Building; Sound
Acrobats *See also* Gymnastics	*Refer from* Circus; Gymnastics; Sports; Tumbling (s)
Acrostics *See also* Puzzles	*Refer from* Puzzles
Acting *See also* Actors; Amateur theatricals; Drama; Expression; Gesture; Make-up, Theatrical; Pageants; Pantomime; Theater; Vaudeville	*Refer from* Actors; Amateur theatricals; Amusements; Drama; Dramatic art (s); Dramatic expression (s); Elocution; Histrionics (s); Impersonation (s); Make-up, Theatrical; Stage (s); Theater
——Study and teaching	*Refer from* Dramatic education (s)
Actinotherapy *see* Radiotherapy	
Actions at law *See also* Costs; Equity; Evidence; Forms (in law); Injunctions; Limitations (law); Pleading and practice; Trials	*Refer from* Equity; Forms (in law); Law; Lawsuits (s); Pleading and practice; Procedure (s); Suits at law (s); Trials
Actors *See also* Acting; Make-up, Theatrical; Theater; Vaudeville	*Refer from* Acting; Actresses (s); Biography; Comedians (s); Drama; Players (s); Theater
Actresses *see* Actors	
Adages *see* Maxims; Proverbs	
Adaptation (biology) *See also* Acclimatization; Ecology; Environment; Evolution	*Refer from* Biology; Ecology; Environment; Evolution
Addresses *see* Orations	
Adhesives *See also* Cement; Glue; Paste; Wax	*Refer from* Agglutinants (s); Cement; Glue; Paste
Administration *see* Administrators and executors; Civil service; Government; *also* names of countries and states, subhead Government	
Administrators and executors *See also* Probate law and practice; Wills	*Refer from* Administration (s); Appraising; Commercial law; Executors (s); Guardians; Inheritance; Law; Powers (law); Probate law and practice; Property; Trustees; Wills
Admirals *See also* Naval biography	*Refer from* Naval biography; Naval history
Admiralty *See also* Collisions at sea; Commercial law; Demurrage; Maritime law; Salvage	*Refer from* Collisions at sea; Commercial law; Courts; Law; Maritime law
Adolescence *see* Youth	
Adoption *See also* Guardians	*Refer from* Children; Foundlings; Guardians; Law; Orphans and orphan asylums
Adulterations *See also* Chemistry — Analysis; Chemistry, Technical; Drugs; Food adulteration and inspection; Liquors; Seeds — Adulteration and inspection	*Refer from* Chemistry — Analysis; Chemistry, Technical; Crime and criminals; Drugs; Food adulteration and inspection; Hygiene, Public; Liquors; Sanitary chemistry
Adultery *See also* Sexual ethics	*Refer from* Crime and criminals; Marriage; Sexual ethics
Advent *See also* Christian year; Christmas; Second advent	*Refer from* Christian year; Fasts and feasts

Adventists *see* Second adventists

Adventure
See also Castaways; Discoveries and explorations; Escapes; Explorers; Frontier and pioneer life; Heroes; Hunting; Seafaring life; Shipwrecks; Sports; Treasure-trove; Voyages and travels

Adventurers *see* Imposture

Adverse possession *see* Possession (in law)

Adversity *see* Affliction; Misfortune

Advertising
See also Billposting; Business; Library bulletins; Mail order business; Posters; Promoting; Publicity; Salesmanship; Show cards; Sign painting; Signs; Street cries; Window dressing

Aerial navigation *see* Aeronautics

Aerial propellers

Aerial railroads

Aerial warfare *see* Aeronautics, Military

Aerodromes *see* Aeroplanes; Flying machines

Aerodynamics
See also Air; Flight

Aerolites *see* Meteorites

Aerology *see* Meteorology

Aeronautic motors
See also Aeronautics; Aeroplanes

Aeronautics
See also Aerial propellers; Aerodynamics; Aeronautic motors; Aeronauts; Aeroplanes; Airships; Balloons; Flight; Flying machines; Kites; Speed

——Military

Aeronauts

Aeroplanes
See also Aerial propellers; Aeronautic motors; Aeronautics; Flying machines

Aesthetics *see* Esthetics

Aether *see* Ether

Affection *see* Friendship; Kindness; Love

Affidavits

Affinity, Chemical, *see* Chemical affinity

Affliction
See also Consolation; Misfortune; Resignation

Afforestation *see* Forest planting

African colonization *see* Africa — Colonization

African languages
See also Coptic language; Egyptian language; Hamitic languages

African slave trade *see* Slave trade

After-dinner speeches
See also Anecdotes; Toasts

Age
See also Age limit of employment; Growth; Longevity; Old age; Youth

Age limit of employment

Refer from Escapes; Heroes; Voyages and travels

Refer from Billposting; Business; Commerce; Mail order business; Newspapers; Periodicals; Publicity; Salesmanship

Refer from Aeronautics; Aeroplanes; Air propellers (s); Propellers
Refer from Railroads; Railroads, Aerial (s)

Refer from Aeronautics; Air; Dynamics; Flight; Gases

Refer from Aeronautics; Aeroplanes; Flying machines; Motors

Refer from Aerial navigation (s); Aeronautic motors; Aeroplanes; Air; Airships; Aviation (s); Balloons; Engineering; Flight; Flying machines; Locomotion; Mechanics; Navigation; Sports; Transportation
Refer from Aerial warfare (s); Military aeronautics (s); Military art and science
Refer from Aeronautics; Aviators (s); Balloonists (s); Biography

Refer from Aerodromes (s); Aeronautic motors; Aeronautics; Airships; Biplanes (s); Flying machines; Gliders (s); Monoplanes (s)

Refer from Evidence; Forms (in law); Law; Notaries

Refer from Adversity (s); Ethics; Misfortune; Suffering; Trouble (s)

Refer from Coptic language; Egyptian language; Hamitic languages; Language

Refer from Dinners and dining; Orations; Speeches (s); Toasts

Refer from Old age

Refer from Age; Efficiency, Industrial; Labor and laboring classes; Old age

Aged *see* Longevity; Old age
Aged poor *see* Homes for the aged; Old age; Old age pensions; Poor

Agency
See also Bailments; Brokers and factors; Commercial law; Contracts; Damages; Employers' liability; Employment agencies; Negligence; Powers (law); Receivers

Refer from Agents (s); Attorneys (s); Bailments; Brokers and factors; Commercial law; Contracts; Law; Negligence; Partnership; Power of attorney (s); Powers (law); Principal and agent (s)

Agents *see* Agency; Brokers and factors; Commercial travelers
Agglutinants *see* Adhesives

Agincourt, Battle of
See also England — History — Lancaster and York; France — History — House of Valois; Hundred years' war

Refer from England — History — Lancaster and York; France — History — House of Valois; Hundred years' war

Agnosticism
See also Atheism; Positivism; Rationalism; Skepticism

Refer from Atheism; Belief; Faith; Free thought; God; Naturalism; Philosophy; Philosophy, Modern; Secularism; Skepticism; Theology

Agreements *see* Contracts
Agricultural bacteriology *see* Bacteriology, Agricultural
Agricultural banks *see* Agricultural credit; Banks and banking; Land banks
Agricultural botany *see* Botany, Economic

Agricultural chemistry
See also Ammonia; Fertilizers and manures; Nitrification; Phosphates; Plants — Chemistry and nutrition; Plants, Effect of chemicals on; Soils

Refer from Chemistry; Chemistry, Agricultural (s); Chemistry, Dairy (s); Dairy chemistry (s); Fertilizers and manures; Soils

Agricultural colleges
See also Agriculture — Study and teaching

Refer from Agriculture — Study and teaching; Agricultural education (s); Colleges and universities

Agricultural colonies *see* Farm colonies

Agricultural credit
See also Land banks

Refer from Agricultural banks (s); Banks and banking; Credit; Crédit foncier (s); Land banks; Land credit (s)

Agricultural education *see* Agricultural colleges; Agriculture — Study and teaching

Agricultural exhibitions

Refer from Exhibitions; Fairs; State fairs (s)

Agricultural experiment stations
See also Agricultural experimentation; Agriculture — Demonstration work; *also* special stations

Refer from Agricultural experimentation; Agriculture — Demonstration work; Experiment stations (s)

Agricultural experimentation
See also Agricultural experiment stations; Agriculture — Demonstration work

Refer from Agricultural experiment stations; Agriculture — Demonstration work; Experiments (s)

Agricultural implements *see* Farm implements and machinery
Agricultural laborers *see* Farm labor

Agricultural laws
See also Corn laws

Refer from Farm laws (s); Law

Agricultural machinery *see* Farm implements and machinery

Agricultural pests
See also Birds, Useful and injurious; Cotton — Diseases and pests; Fruit — Diseases and pests; Fungi; Insects, Injurious and beneficial; Rabbits; Tobacco — Diseases and pests; Trees — Diseases and pests; Weeds

Refer from Gardening; Insects, Injurious and beneficial; Pests (s)

Agricultural physics
See also Drainage; Farm buildings; Farm motors; Soil absorption; Soil moisture; Soils; Tillage

Refer from Drainage; Physics; Soil moisture; Soils; Tillage

Agricultural products
See also Botany, Economic; Cocoa; Coffee; Commercial products; Cotton; Crops; Dairy products; Essences and essential oils; Fibers; Forest products; Fruit; Ginseng; Grain; Hay; Indigo; Liquors; Marketing of farm produce; Opium; Rice; Root crops; Rubber; Spices; Sugar; Tea; Tobacco; Vegetables

Refer from Botany, Economic; Commercial products; Crops; Farm products (s); Products, Agricultural (s)

Agricultural societies
See also Farmers' institutes; Grange

Refer from Farmers; Societies

Agricultural tools *see* Farm implements and machinery

Agriculture
See also Acclimatization (plants); Bacteriology, Agricultural; Bees; Birds, Useful and injurious; Botany, Economic; Clearing of land; Cooperative agriculture; Corn laws; Cover crops; Crops; Dairying; Domestic animals, and names of animals; Drainage; Dry farming; Electricity on the farm; Ensilage; Farm buildings; Farm colonies; Farm implements and machinery; Farm labor; Farm life; Farm management; Farm values; Farmers; Farmers' institutes; Farms; Feeding and feeding stuffs; Fertilizers and manures; Floriculture; Forage plants; Forests and forestry; Frost protection; Fruit culture; Gardening; Greenhouses; Insects, Injurious and beneficial; Irrigation; Land; Land tenure; Live stock; Market gardening; Marketing of farm produce; Pastures and meadows; Peasantry; Plant breeding; Plants; Reclamation of land; Rotation of crops; Seeds — Selection and testing; Soil fertility; Soil inoculation; Soil surveys; Soils; Threshing; Tillage; Trees; *also* headings beginning Agricultural, and names of special products

Refer from Agronomy (s); Crops; Farmers; Farming (s); Farms; Fruit culture; Gardening; Husbandry (s); Industrial arts; Land; Market gardening; Marketing of farm produce; Planting (s); Plants; Rotation of crops; Rural economy (s); Soils; Tillage

——Demonstration work
See also Agricultural experiment stations; Agricultural experimentation

Refer from Agricultural experiment stations; Agricultural experimentation; Agriculture — Study and teaching; Demonstration work in agriculture (s)

——Statistics

Refer from Crop reports (s); Crops; Food supply

——Study and teaching
See also Agricultural colleges; Agriculture — Demonstration work; Farm schools; Forestry schools and education

Refer from Agricultural colleges; Agricultural education (s)

——Tropics
See also Cocoa; Coffee; Cotton; Opium; Rice; Rubber; Spices; Sugar; Tea; Tobacco

Refer from Tropical agriculture (s); Tropics

——U. S.

Refer from U. S. — Agriculture (s); U. S. — Industries and resources

Agronomy *see* Agriculture
Agrostology *see* Grasses
Ague *see* Malaria

Ainos
See also Ethnology — Japan

Refer from Ainu (s); Ethnology — Japan; Japan

Ainu *see* Ainos

Air
See also Aerodynamics; Aeronautics; Argon; Atmospheric electricity; Atmospheric nucleation; Barometer; Compressed air; Humidity; Hygrometry; Ionization of gases; Liquid air; Meteorology; Ozone; Ventilation
Refer from Aerodynamics; Atmosphere (s); Chemistry; Ether (of space); Gases; Meteorology; Physics; Pneumatics (s)

——Liquid, *see* Liquid air

Air brakes
See also Brakes; Safety devices
Refer from Brakes; Cars; Railroads; Railroads — Equipment and supplies; Safety devices

Air compressors
See also Air pumps; Compressed air
Refer from Air pumps; Compressed air

Air engines
See also Compressed air
Refer from Caloric engines (s); Engines; Heat engines; Hot-air engines (s)

Air passages *see* Respiratory organs

Air pollution
See also Dust; Smoke; Ventilation
Refer from Hygiene; Sanitary chemistry; Ventilation

Air propellers *see* Aerial propellers

Air pumps
See also Air compressors
Refer from Air compressors; Pneumatic pumps (s); Pumps

Air-ships *see* Airships

Airships
See also Aeronautics; Aeroplanes; Balloons
Refer from Aeronautics; Air-ships (s); Balloons; Balloons, Dirigible (s); Dirigible balloons (s)

Alabama claims
Refer from Claims; Geneva award (s); Neutrality; Privateering; U. S. — History — Civil war — Foreign relations; U. S. —Foreign relations — England

Aladdin oven
Refer from Cookery; Stoves

Albigenses
See also France — Religious history; Waldenses
Refer from Church history — Middle ages; France — Religious history; Persecution; Waldenses

Albinos and albinism
See also Color of man
Refer from Color of animals; Color of man; Leucopathy (s)

Alchemy
See also Chemistry — History; Elixir of life; Occult sciences; Philosopher's stone
Refer from Chemistry; Chemistry — History; Elixir of life; Gold; Hermetic art (s); Metals; Occult sciences; Philosopher's stone; Superstition; Transmutation of metals (s)

Alcohol
See also Alcoholism; Brandy; Chemistry, Organic; Distillation; Liquor problem; Liquor traffic; Liquors, and names of liquors; Temperance
Refer from Chemistry, Organic; Distillation; Intoxicants (s); Liquors; Stimulants; Temperance

——**Denatured**
See also Alcohol motors
Refer from Chemistry, Technical; Denatured alcohol (s); Industrial alcohol (s); Liquid fuel

——**Physiological effects**
Refer from Alcoholism; Hygiene; Temperance

Alcohol engines *see* Alcohol motors

Alcohol motors
Refer from Alcohol, Denatured; Alcohol engines (s); Gas and oil engines; Motors

Alcoholism
See also Alcohol — Physiological effects; Gold cure; Inebriate asylums; Liquor problem; Temperance
Refer from Alcohol; Crime and criminals; Dipsomania (s); Drunkenness (s); Inebriates (s); Intemperance (s); Intoxication (s); Liquor habit (s); Liquor problem; Medicine — Practice; Temperance

Alcoran *see* Koran

Ale
See also Beer; Brewing; Liquors; Malt
Refer from Beer; Brewing; Liquors

Alfalfa
See also Feeding and feeding stuffs; Forage plants
Refer from Feeding and feeding stuffs; Fertilizers and manures; Forage plants; Hay; Lucerne (plant) (s)

Algae
See also Cryptogams; Aquatic plants
Refer from Aquatic plants; Cryptogams; Marine biology; Marine botany (s); Marine flora (s); Marine plants (s); Mosses; Ocean; Sea mosses (s); Seashore; Seaweeds (s)

Algebra
See also Calculus; Determinants; Equations; Functions; Groups, Theory of; Logarithms; Mathematics; Numbers; Probabilities; Quaternions; Vector analysis
Refer from Analysis (mathematics) (s); Calculus; Determinants; Equations; Groups, Theory of; Mathematics; Quaternions

Algonkian Indians *see* Algonquian Indians

Algonkian period *see* Geology, Stratigraphic — Algonkian

Algonquian Indians
See also Blackfoot Indians; Delaware Indians; Narragansett Indians
Refer from Algonkian Indians (s); Blackfoot Indians; Delaware Indians; Indians; Narragansett Indians

Algonquian languages
See also Indians — Languages
Refer from Indians — Languages

Alhambra
See also Granada
Refer from Architecture, Mohammedan; Granada; Palaces

Alien and sedition laws, 1798
See also Kentucky and Virginia resolutions, 1798; U. S. — History — 1783–1812
Refer from Immigration and emigration — U. S.; Naturalization; Sedition act, 1798 (s); U. S. — Constitution; U. S.— History — 1783–1812

Aliens
See also Allegiance; Citizenship; Expatriation; Naturalization; *also* Chinese in the U. S., and similar headings
Refer from Allegiance; Asylum, Right of; Citizenship; Expatriation; Foreigners (s); Immigration and emigration; International law; Law; Naturalization

Alimentary canal *see* Digestive system

Alkali lands
Refer from Irrigation; Reclamation of land; Soils

Alkalies
See also Ammonia; Chemistry, Inorganic
Refer from Ammonia; Chemistry; Chemistry, Inorganic

Alkaloids
See also Chemistry, Organic; Morphine; Ptomaines
Refer from Chemistry, Organic; Nitrogen; Poisons

Alkoran *see* Koran

All fools' day *see* April fools' day

All hallow eve *see* Halloween

Allegiance
See also Aliens; Citizenship; Naturalization
Refer from Aliens; Citizenship; International law; Law; Treason

Allegories
See also Fables; Parables
Refer from Allegory; Fables; Fiction; Literature; Parables; Religion

Allegory
See also Allegories; Rhetoric
Refer from Rhetoric

Alliance, Holy, *see* Holy alliance

Alliance, Triple, *see* Triple alliance

Alliteration
See also Rhetoric; Versification
Refer from Language; Poetry; Rhetoric; Versification

Allopathy [for polemical treatises only]
Refer from Medicine

Alloys
See also Amalgamation; Amalgams; Brass; Bronze; Metallography; Metallurgy; Pewter; Solder and soldering

Refer from Amalgamation; Amalgams; Brass; Bronze; Metallography; Metallurgy; Metals; Pewter; Solder and soldering

Allusions
Refer from Literature; Reference books

Alluvium
See also Geology; Physical geography

Refer from Geology; Physical geography; Soils

Almanacs
See also Calendars; Chronology; Nautical almanacs; Yearbooks

Refer from Annuals; Astronomy; Calendars; Chronology; Days; Registers; Statistics; Time; Yearbooks

Almsgiving *see* Charity; Poor

Almshouses
See also Asylums; Charities; Poor

Refer from Asylums; Charities; Homes (institutions) (s); Institutions, Charitable and philanthropic (s); Poor; Poorhouses (s); Workhouses (charities) (s)

Alphabet
See also Cuneiform writing; Hieroglyphics; Inscriptions; Lettering; Paleography; Printing; Runes; Transliteration; Writing

Refer from Alphabets (s); English language — Alphabet (s); Hieroglyphics; Inscriptions; Language; Letters of the alphabet (s); Paleography; Phonetics; Writing

Alphabeting
See also Cataloging

Refer from Cataloging

Alphabets *see* Alphabet; Lettering

Alpine clubs
See also Geographical societies; Mountaineering

Refer from Alps; Geographical societies; Mountaineering; Mountains

Alpine plants
Refer from Botany; Mountains; Plants

Altaic languages *see* Ural-Altaic languages

Altars
See also Church furniture; Lord's supper; Mass; Sacrifice

Refer from Church furniture; Sacrifice

Alternating current machinery *see* Electric machinery — Alternating current

Alternating currents *see* Electric currents, Alternating

Altitudes
See also Sea level; *also* names of countries, subhead Altitudes

Refer from Elevations (s); Heights (s); Hypsometry (s); Physical geography; Sea level; Surveying

Altruism
See also Egoism; Ethics

Refer from Benevolence (s); Charity; Conduct of life; Egoism; Ethics; Philanthropy; Sociology

Aluminium
See also Metals

Refer from Aluminum (s); Metals

Aluminum *see* Aluminium

Amalgamation
See also Alloys; Amalgams; Mercury

Refer from Alloys; Metallurgy

Amalgams
See also Alloys; Mercury

Refer from Alloys; Amalgamation; Mercury; Metals

Amateur journalism
See also Students' periodicals

Refer from Journalism; Students' periodicals

Amateur theatricals
See also Acting; Charades; College plays; Dialogues; Make-up, Theatrical; Monologues; Pantomime; Shadow pantomimes; Tableaux

Refer from Acting; Amusements; Charades; Drama; Drawing-room plays (s); Entertainments; Pantomime; Plays (s); Private theatricals (s); Tableaux; Theater; Theatricals, Amateur (s)

Amazons
See also Mythology, Classical

Refer from Mythology, Classical; Women

Ambassadors
See also Diplomacy; Diplomatic and consular service; Diplomats; Exterritoriality

Refer from Diplomacy; Diplomatic and consular service; Diplomats; Exterritoriality; International relations; Ministers of state

Ambidexterity
See also Hand; Left- and right-handedness — *Refer from* Hand; Left- and right-handedness

Ambition — *Refer from* Conduct of life; Success

Ambulance drill *see* First aid in illness and injury

Ambulances
See also First aid in illness and injury — *Refer from* Accidents; Carriages; Hospitals; Surgery, Military; Vehicles

Amendments (parliamentary practice)
See also Parliamentary practice — *Refer from* Constitutional law; Parliamentary practice

America — Discovery and exploration — *Refer from* U. S.— Discovery and exploration (s); U. S.— History — Colonial period

——Discovery and exploration — Pre-Columbian
See also Northmen — *Refer from* Northmen

American aborigines *see* Indians
American art *see* Art, American
American authors *see* Authors, American
American ballads *see* Ballads, American
American colonial history *see* U. S. — History — Colonial period

American drama
See also American literature; Dramatists, American; English drama; Theater — U. S. — *Refer from* American literature; American poetry; Drama; Dramatists, American; English drama; Theater — U. S.; U. S. — Drama (s)

American essays
See also American literature; English essays — *Refer from* American literature; English essays; Essays

American fiction
See also American literature; English fiction — *Refer from* American literature; English fiction; Fiction

American humor *see* Humor, American
American Indians *see* Indians
American letters *see* Letters, American

American literature
See also American drama; American essays; American fiction; American poetry; Authors, American; Ballads, American; Canadian literature; English literature; German-American literature; Humor, American; Letters, American; Newspapers — U. S.; Orations, American; Parodies; Periodicals — U. S.; Satire, American; Sonnets, American — *Refer from* American drama; American essays; American fiction; American poetry; Authors, American; English literature; Humor, American; Literature; Satire, American; U. S. — Literature (s)

——Indiana — *Refer from* Indiana — Literature (s)

——New England — *Refer from* New England — Literature (s)
See also Boston — Literature

American loyalists *see* Loyalists, American
American newspapers *see* Newspapers — U. S.
American orations *see* Orations, American
American party *see* Know-nothing party
American periodicals *see* Periodicals — U. S.

American poetry
See also American drama; American literature; Ballads, American; Canadian poetry; English poetry; Poets, American; Songs, American; Sonnets, American — *Refer from* American literature; Ballads, American; English poetry; Poetry; Poets, American; Sonnets, American; U. S. — Poetry (s)

American revolution *see* U. S. — History — Revolution
American satire *see* Satire, American
American songs *see* Ballads, American; Songs, American
American sonnets *see* Sonnets, American
American wit and humor *see* Humor, American

Americana *see* subhead Bibliography under America and under names of parts of the continent, regions, countries and places

Americanisms

Refer from English language; English language — Dialects; Idioms, English; Slang

Americans in Europe

America's cup

See also Yachts and yachting

Refer from Cup races (s); Yachts and yachting

Amerinds *see* Indians

Amish Mennonites *see* Mennonites

Ammonia

See also Alkalies

Refer from Agricultural chemistry; Alkalies; Chemistry, Inorganic; Chemistry, Technical; Fertilizers and manures

Ammunition

See also Firearms; Gunpowder; Ordnance; Projectiles

Refer from Explosives; Firearms; Gunnery; Gunpowder; Guns; Military art and science; Ordnance; Projectiles

Amphibia

See also Frogs; Toads; Vertebrates

Refer from Batrachia (s); Frogs; Reptiles; Toads; Vertebrates

Amphitheaters

See also Architecture; Gladiators

Refer from Architecture

Amphorae *see* Vases

Amputation

See also Surgery

Refer from Surgery

Amulets

See also Charms; Scarabs

Refer from Archaeology; Charms; Demonology; Superstition; Talismans (s); Witchcraft

Amusement parks

Refer from Amusements; Parks

Amusements

See also Acting; Amateur theatricals; Amusement parks; Athletics; Balls (parties); Camping; Cards; Charades; Circus; Coaches and coaching; Concerts; Conjuring; Dancing; Drills and marches; Entertainments; Fairs; Fencing; Festivals; Fortune telling; Games; Kites; Masquerades; Mathematical recreations; Minstrel shows; Moving pictures; Opera; Pageants; Palmistry; Pantomime; Picnics; Play; Playgrounds; Puppet plays; Puzzles; Riddles; School excursions; Scientific recreations; Soap bubbles; Sports; String figures; Tableaux; Theater; Toys; Vaudeville; Ventriloquism; *also* names of cities, subhead Amusements

Refer from Entertaining; Entertainments; Ethics; Games; Manners and customs; Pastimes (s); Play; Recreation (s); Relaxation (s); Sports

Ana *see* Anecdotes

Anabaptists

See also Baptists; Mennonites; Peasants' war

Refer from Baptists; Germany — Religious history; Mennonites; Peasants' war; Reformation — Germany; Sects

Anabolism *see* Metabolism

Anaesthesia *see* Anesthetics

Anagrams

Refer from Literature; Puzzles

Analogy

Refer from Logic; Philosophy; Rhetoric

Analysis (chemistry) *see* Assaying; Blowpipe; Chemistry — Analysis; *also* names of substances analyzed

Analysis (mathematics) *see* Algebra; Calculus; Functions

Analysis, Spectrum, *see* Spectrum analysis

Analysis of food *see* Food—Analysis; Food adulteration and inspection

Analytical chemistry *see* Chemistry — Analysis

Analytical geometry *see* Geometry, Analytic

Anarchism and anarchists
See also Nihilism

Refer from Anarchy (s); Assassination; Communism; Crime and criminals; Government; Liberty; Nihilism; Sociology

Anarchy *see* Anarchism and anarchists

Anatomy
See also Abdomen; Anatomy, Artistic; Anatomy, Comparative; Anthropometry; Arm; Autopsy; Bones; Chest; Digestive system; Dissection; Ear; Eye; Foot; Glands; Hand; Head; Histology; Joints; Leg; Morphology; Mouth; Muscles; Nervous system; Nose; Physiology; Respiratory organs; Skeleton; Skin; Surgery; Teeth; Throat; Urinary organs; Vascular system; Vivisection; *also* names of organs, bones, etc.

Refer from Abdomen; Arm; Biology; Body, Human (s); Bones; Chest; Digestive system; Dissection; Foot; Glands; Hand; Head; Histology; Human anatomy (s); Human body (s); Joints; Leg; Man; Medicine; Morphology; Muscles; Nervous system; Organography (s); Physiology; Respiratory organs; Skeleton; Skin; Surgery; Urinary organs; Vascular system

——Artistic
See also Animal painting and illustration; Expression; Figure drawing; Figure painting; Proportion (art)

Refer from Anatomy; Anatomy for artists (s); Art; Art anatomy (s); Artistic anatomy (s); Drawing; Expression; Figure drawing; Figure painting; Human figure in art (s); Painting; Proportion (art); Sculpture

——Comparative
See also Animal locomotion; Animal mechanics; Man — Origin and antiquity; Morphology; Skeleton; Zoology; *also* names of organs and members

Refer from Anatomy; Animal mechanics; Comparative anatomy (s); Comparative morphology (s); Dissection; Evolution; Man — Origin and antiquity; Skeleton; Zoology; Zootomy (s)

Anatomy for artists *see* Anatomy, Artistic

Anatomy of plants *see* Botany, Structural

Ancestor worship
See also Confucianism; Shinto

Refer from Confucianism; Family; Parents; Shinto; Worship

Ancestry *see* Genealogy; Heredity

Anchors

Refer from Ships

Ancien régime *see* France — History — Bourbons

Ancient art *see* Art, Ancient

Ancient geography *see* Geography, Ancient

Ancient history *see* History, Ancient

Anecdotes
See also Blunders; Children — Anecdotes and sayings; Humor; Indians — Anecdotes; Last words of famous people; Table-talk; *also* names of wars, subhead Anecdotes

Refer from After-dinner speeches; Ana (s); Biography; Blunders; Humor; Illustrations (anecdotes) (s); Literature; Table-talk

——Legal

Refer from Law; Lawyers; Legal anecdotes (s)

——Medical

Refer from Medical anecdotes (s); Medicine; Physicians and surgeons

——Musical

Refer from Music; Music — Anecdotes (s); Musical anecdotes (s); Musicians

——Religious

Refer from Homiletical illustrations (s); Preaching; Religious anecdotes (s); Religious literature; Sermons — Illustrative helps (s)

Anemometer
See also Meteorological instruments

Refer from Meteorological instruments; Winds

Aneroid barometer *see* Barometer

Anesthetics
See also Chloroform; Cocaine; Ether (anesthetic)

Refer from Anæsthesia (s); Chloroform; Cocaine; Drugs; Ether (anesthetic); Medicine; Pain; Surgery; Therapeutics

Angels
See also Demonology — *Refer from* Bible; Heaven; Theology

Anger
See also Emotions — *Refer from* Emotions; Ethics

Angles
See also Geometry — *Refer from* Geometry

Anglican church *see* Church of England

Anglican communion
See also Church of England; Protestant Episcopal church in the U. S. — *Refer from* Church of England; Protestant Episcopal church in the U. S.

Angling *see* Fishing

Anglo-Boer war *see* South African war, 1899–1902

Anglo-Israelism
See also Jews — Lost tribes — *Refer from* Jews; Jews — Lost tribes

Anglo-Saxon language
See also English language; Germanic languages — *Refer from* English language; English language — Old English (s); Germanic languages; Old English language (s); Saxon language (s)

Anglo-Saxon literature
See also Anglo-Saxon poetry; English literature — *Refer from* Anglo-Saxon poetry; English literature; Middle ages — Literature; Old English literature (s)

Anglo-Saxon poetry
See also Anglo-Saxon literature; English poetry — *Refer from* Anglo-Saxon literature; English poetry

Anglo-Saxons
See also England — History — To 1066; Teutonic race — *Refer from* Civilization; England — History — To 1066; Ethnology — England; Ethnology — U. S.; Teutonic race

Angora goats
See also Goats — *Refer from* Goats

Aniline colors *see* Coal-tar colors

Animal behavior *see* Animals — Habits and behavior

Animal charcoal
See also Bone products — *Refer from* Bone black (s); Bone products; Charcoal

Animal chemistry *see* Physiological chemistry

Animal coloration *see* Color of animals

Animal drawing *see* Animal painting and illustration

Animal dwellings *see* Animals — Habitations

Animal electricity *see* Electrophysiology

Animal experimentation
See also Vivisection — *Refer from* Animals, Experiments on (s); Animals — Treatment; Experiments (s); Medical research; Vivisection

Animal fats *see* Oils and fats

Animal food
See also Meat; Vegetarianism — *Refer from* Diet; Food; Meat; Vegetarianism

Animal heat
See also Physiological chemistry — *Refer from* Calorimeters and calorimetry; Heat; Physiological chemistry; Temperature

Animal homes *see* Animals — Habitations

Animal industry *see* Domestic animals; Live stock

Animal instinct *see* Instinct

Animal intelligence
See also Animals — Habits and behavior; Automatism; Instinct; Psychology, Comparative — *Refer from* Animal psychology (s); Animals — Habits and behavior; Animals — Stories; Instinct; Intellect; Intelligence of animals (s); Mind in animals (s); Psychology; Psychology, Comparative; Reason; Soul

Animal kingdom *see* Zoology

Animal locomotion
See also Animal mechanics; Flight; Muscles; Running; Speed; Swimming; Walking

Refer from Anatomy, Comparative; Animal mechanics; Flight; Locomotion; Motion; Movements of animals (s)

Animal lore [including legends]
See also Animal worship; Animals, Mythical; Animals — Stories; Bestiaries; Dragons; Fables; Folklore; Natural history; Nature myths; Vampires; Werwolves

Refer from Animal mythology (s); Animals — Folklore (s); Animals — Legends (s); Animals, Mythical; Animals — Stories; Animals in folklore (s); Bestiaries; Dragons; Fables; Folklore; Folklore of animals (s); Imaginary animals (s); Legends; Nature myths; Zoological mythology (s)

Animal magnetism
See also Clairvoyance; Hypnotism; Suggestion

Refer from Biomagnetism (s); Clairvoyance; Hypnotism; Magnetism; Mental healing; Mesmerism (s); Psychical research; Suggestion

Animal mechanics
See also Anatomy, Comparative; Animal locomotion; Flight

Refer from Anatomy, Comparative; Animal locomotion; Flight; Mechanics

Animal mythology *see* Animal lore; Animals, Mythical
Animal oils *see* Oils and fats
Animal painting and illustration

Refer from Anatomy, Artistic; Animal drawing (s); Art; Drawing; Painting

Animal parasites *see* Parasites
Animal photography *see* Photography — Animals
Animal pictures *see* Animals — Pictures
Animal products
See also Bone products; Chemistry, Technical; Commercial products; Dairy products; Eggs; Feathers; Fur; Gelatin; Glue; Hides and skins; Ivory; Leather; Meat; Oils and fats; Silk; Wool

Refer from Bone products; Chemistry, Technical; Commercial products; Zoology, Economic

Animal psychology *see* Animal intelligence; Psychology, Comparative
Animal speech *see* Animals — Language
Animal stories *see* Animals — Stories
Animal worship
See also Serpent worship; Totems and totemism

Refer from Animal lore; Animals, Worship of (s); Mythology; Nature worship; Totems and totemism; Worship

Animalcules
See also Infusoria; Microscope and microscopy; Protozoa

Refer from Micro-organisms (s); Zoology

Animals [for descriptive and non-systematic material]
See also Birds; Color of animals; Domestic animals; Hunting; Insects; Instinct; Menageries; Mimicry (biology); Natural history; Nature study; Pets; Play; Taxidermy; Vivariums; Zoological gardens; Zoology, and references under that subject; *also* headings beginning Animal, and names of animals

Refer from Beasts (s); Natural history; Nature; Nature study; Quadrupeds; Wild animals (s); Zoology

——Behavior, *see* Animals — Habits and behavior
——Breeding, *see* Breeding
——Coloration, *see* Color of animals
——Cruelty to, *see* Animals — Treatment
——**Diseases**
See also Cattle — Diseases; Domestic animals; Parasites; Tuberculosis in animals; Veterinary medicine

Refer from Diseases of Animals (s); Veterinary medicine

——Domestic, *see* Domestic animals

Animals — Continued

——Experiments on, *see* Animal experimentation

——**Extinct**
See also Paleontology
Refer from Extinct animals (s); Paleontology

——Fictitious, *see* Animals, Mythical

——Folklore, *see* Animal lore

——Fossil, *see* Paleontology

——Geographic distribution, *see* Geographical distribution of animals and plants

——**Habitations**
See also Nests
Refer from Animal dwellings (s); Animal homes (s); Habitations of animals (s); Nests

——**Habits and behavior**
See also Animal intelligence; Animals — Stories; Hibernation; Instinct; Irritability; Mimicry (biology); Nature study; Orientation; *also* names of animals
Refer from Animal behavior (s); Animal intelligence; Animals — Behavior (s); Animals — Stories; Habits of animals (s); Hibernation; Instinct; Mimicry (biology); Nature study

——Imaginary, *see* Animals, Mythical

——Irritability, *see* Irritability

——**Language**
Refer from Animal speech (s); Language of animals (s); Speech; Speech of animals (s)

——Legends, *see* Animal lore; Animals — Stories

——**Migration**
See also Birds — Migration; Geographical distribution of animals and plants
Refer from Birds — Migration; Geographical distribution of animals and plants; Migration of animals (s)

——**Mythical**
See also Animal lore; Dragons; Sea serpents; Vampires; Werwolves
Refer from Animal lore; Animal mythology (s); Animals, Fictitious (s); Animals, Imaginary (s); Dragons; Imaginary animals (s); Mythical animals (s); Mythology; Sea serpents; Vampires; Werwolves; Zoological mythology (s)

——Orientation, *see* Orientation

——Photography, *see* Photography — Animals

——**Pictures**
See also Photography — Animals
Refer from Animal pictures (s); Pictures

——Protection, *see* Animals — Treatment; Game laws; Game protection

——**Stories**
See also Animal intelligence; Animal lore; Animals — Habits and behavior; Fables; Nature study; *also* names of animals, e.g. Birds — Stories; Dogs — Stories
Refer from Animal lore; Animal stories (s); Animals — Habits and behavior; Animals — Legends (s); Nature study

——**Training**
See also Domestication; Horse training
Refer from Animals in captivity (s); Circus; Domestication; Training

——**Transportation**
Refer from Animals — Treatment; Cattle — Transportation (s); Live stock — Transportation (s); Transportation; Transportation of animals (s)

——**Treatment**
See also Animal experimentation; Animals — Transportation; Checkreins; Humane societies; Vivisection
Refer from Animals, Cruelty to (s); Animals — Protection (s); Brutes (s); Cruelty; Domestic animals; Ethics; Humane societies; Kindness to animals (s); Prevention of cruelty to animals (s); Treatment of animals (s)

——Useful and harmful, *see* Domestic animals; Zoology, Economic

——Worship of, *see* Animal worship

Animals in captivity *see* Animals — Training; Menageries; Zoological gardens
Animals in folklore *see* Animal lore
Animals in poetry
Animation, Suspended, *see* Suspended animation
Animatograph *see* Moving pictures
Animism
See also Fetishism; Idealism; Materialism; Serpent worship; Soul; Spiritualism; Transmigration; Tree worship
Annals *see* Chronology, Historical; History
Annealing
See also Glass; Iron; Steel

Annexations *see* names of countries and cities, subhead Annexations
Annihilation
See also Future life
Anniversaries
See also Birthdays; Holidays; Wedding anniversaries
Annuals [enter here only the old-fashioned gift books]
See also Almanacs; Yearbooks
Annuals (plants)
See also Botany; Floriculture
Annuities
See also Insurance, Life; Pensions

Anointing *see* Unction
Anonyms
See also Pseudonyms

Ant *see* Ants
Antarctic expeditions *see* Antarctic regions
Antarctic regions
See also Scientific expeditions; South pole; Voyages and travels

Ante-Nicene fathers *see* Fathers of the church
Anthems
See also Chants; Church music; Hymns

Anthologies *see* Poetry — Collections; *also*, e.g., English poetry — Collections
Anthracite coal *see* Coal
Anthracite coal strike, 1902

Anthropogeography
See also Acclimatization; Environment; Migration of nations

Anthropology
See also Anthropogeography; Anthropometry; Archaeology; Cave dwellers; Civilization; Cliff dwellers and cliff dwellings; Color of man; Crime and criminals; Degeneration; Environment; Ethnology; Ethnopsychology; Eugenics; Evolution; Lake dwellers and lake dwellings; Language;

Refer from Poetry; Poetry of animals (s)

Refer from Fetishism; Folklore; Life; Materialism; Soul; Tree worship

Refer from Glass; Iron; Metals; Pottery; Steel

Refer from Future life; Theology

Refer from Birthdays; Celebrations (s); Holidays

Refer from Yearbooks

Refer from Botany; Floriculture; Plants

Refer from Insurance, Life; Investments; Pensions; Probabilities

Refer from Authors; Bibliography; Pseudonyms

Refer from Antarctic expeditions (s); Arctic regions; Discoveries and explorations; Earth; Geography; Polar regions (s); Scientific expeditions; South pole; Voyages and travels

Refer from Chants; Choruses and part songs; Church music; Music; Songs

Refer from Coal mines and mining; Labor and laboring classes — Pennsylvania; Strikes and lockouts

Refer from Acclimatization; Anthropology; Commercial geography; Environment; Ethnology; Geographical distribution of men (s); Geography; Geography, Social (s); History; Immigration and emigration; Man; Migration of nations

Refer from Archaeology; Civilization; Ethnology; Evolution; History; Human race (s); Man; Man — Natural history (s); Migration of nations; Natural history; Race characteristics (s); Science; Sociology

Man; Manners and customs; Migration of nations; Skeleton; Society, Primitive; Sociology; Tribes and tribal system; Women; *also* names of races, tribes, etc.

Anthropometry
See also Bertillon system; Finger prints; Identification; Psychometry

Refer from Anatomy; Anthropology; Bertillon system; Crime and criminals; Ethnology; Human body (s); Identification; Man; School children

Anthropophagy *see* Cannibalism

Antichrist

Refer from Jesus Christ; Theology

Anti-corrosive paint *see* Corrosion and anti-corrosives
Antidotes *see* Poisons; *also* names of poisons
Anti-imperialism *see* Imperialism
Anti-masonry *see* Freemasons

Antinomianism

Refer from Calvinism; Congregationalism; Massachusetts — Religious history; Mosaic law; Theology

Antiquarian societies
See also Historical societies

Refer from Archaeology; Historical societies; Societies

Antiquarians *see* Archaeologists

Antiques

Refer from Art; Collectors and collecting; Furniture

——Forged
See also Art forgeries

Refer from Art forgeries; Counterfeits; Forgeries (s); Forgery of antiques (s); Fraud; Imposture; Swindlers and swindling

Antiquities *see* Archaeology; *also* names of countries, cities, etc., subhead Antiquities
Antiquity of man *see* Man — Origin and antiquity
Anti-reformation *see* Counter-reformation
Anti-Semitism *see* Jews — Political and social conditions

Antiseptics
See also Disinfection and disinfectants; Putrefaction

Refer from Disinfection and disinfectants; Medicine; Putrefaction; Surgery; Therapeutics

Antislavery *see* Slavery

Antitoxins
See also Immunity; Serum therapy

Refer from Diphtheria; Drugs; Immunity; Physiological chemistry; Poisons; Serum therapy; Tetanus; Therapeutics; Toxins

Antlers *see* Horns
Antonyms *see* Synonyms and antonyms

Ants
See also Hymenoptera

Refer from Ant (s); Hymenoptera

Anxiety *see* Fear; Worry

Apache Indians

Refer from Indians

Apartment houses
See also Lodging houses; Tenement houses

Refer from Architecture, Domestic; Flats (s); Home economics; Hotels; Housing problem; Landlord and tenant; Tenement houses

Ape *see* Apes

Apes
See also Gorillas; Monkeys; Primates

Refer from Ape (s); Gorillas; Monkeys; Primates

Aphasia

Refer from Brain; Mental diseases; Speech

Aphididae *see* Plant lice
Aphorisms *see* Epigrams; Maxims; Proverbs; Quotations; Table-talk
Apiaries *see* Bees
Apiculture *see* Bees

Apocalypse *see* Bible — New Testament — Revelation

Apocalyptic literature
See also Bible — New Testament — Revelation; Revelation

Refer from Bible — New Testament — Revelation; Prophecies; Revelation

Apocrypha *see* Bible — Old Testament — Apocrypha

Apocryphal books (New Testament) *see* Bible — New Testament — Apocryphal books

Apologetics *see* Christianity — Evidences

Apoplexy

Refer from Brain; Cerebral hemorrhage (s); Medicine — Practice; Paralysis

Apostles
See also Bible — New Testament; Church history — Early church — Apostolic; Saints

Refer from Bible; Bible — New Testament; Christian biography; Christianity; Church history — Early church — Apostolic; Evangelists (s); Jesus Christ; Saints; Theology

Apostles' creed

Refer from Catholic church — Catechisms and creeds; Church of England — Catechisms and creeds; Creeds

Apostolic canons
See also Apostolic constitutions

Refer from Apostolic constitutions; Canons, Apostolic (s); Church law; Fathers of the church; Theology

Apostolic church *see* Church history — Early church — Apostolic

Apostolic constitutions
See also Apostolic canons

Refer from Apostolic canons; Bible — New Testament — Apocryphal books; Church law; Constitutions, Apostolic (s); Fathers of the church; Theology

Apostolic fathers
See also Church history — Early church — Apostolic; Fathers of the church

Refer from Christian biography; Church history — Early church — Apostolic; Fathers of the church

Apostolic succession
See also Bishops; Catholic church — Clergy; Church of England — Clergy; Episcopacy; Popes

Refer from Bishops; Catholic church; Catholic church — Clergy; Church history; Church of England; Church of England — Clergy; Church polity; Episcopacy; Popes; Protestant Episcopal church in the U. S.; Theology

Apothecaries *see* Pharmacists

Apothegms *see* Epigrams; Maxims; Proverbs; Quotations; Table-talk

Apparatus *see* Instruments

Apparitions
See also Demonology; Ghosts; Illusions and hallucinations; Psychical research; Spiritualism

Refer from Demonology; Dreams; Ghosts; Illusions and hallucinations; Phantoms (s); Psychical research; Psychology; Specters (s); Spectres (s); Spirits (s); Spiritualism; Supernatural; Superstition; Visions (s)

Appeal

Refer from Courts; Law; Pleading and practice

Appendicitis

Refer from Intestines; Medicine — Practice; Surgery

Apperception
See also Attention; Knowledge; Perception; Psychology; Psychology, Educational

Refer from Knowledge; Perception; Psychology, Educational

Apple
See also Cider; Fruit

Refer from Apples (s); Fruit

Apples *see* Apple

Applied mechanics *see* Mechanical engineering; Mechanics, Applied

Applied science *see* Technology

Appraisal of books *see* Book reviews; Books and reading; Books and reading — Best books; Criticism; Literature — History and criticism

Appraising
See also Administrators and executors; Arbitration and award; Damages; Eminent domain; Insurance; Taxation
Refer from Arbitration and award; Damages; Law; Property; Taxation

Appreciation of art *see* Art — Appreciation

Appreciation of music *see* Music — Appreciation

Apprentices
Refer from Boys; Child labor; Economics; Indentured servants; Industrial education; Labor and laboring classes; Master and servant; Technical education

April fools' day
Refer from All fools' day (s); Days; Manners and customs

Aquariums
See also Fresh-water fauna; Water gardens
Refer from Fish; Fresh-water fauna; Marine zoology; Natural history; Vivariums; Water gardens; Zoology

Aquatic animals *see* Fresh-water fauna; Marine zoology

Aquatic birds *see* Water birds

Aquatic gardening *see* Water gardens

Aquatic insects see Insects, Aquatic

Aquatic life *see* Fresh-water life; Marine biology

Aquatic plants
See also Algæ; Fresh-water life; Marine biology; Water gardens
Refer from Algae; Botany; Fresh-water flora (s); Fresh-water life; Marine biology; Marine botany (s); Marine flora (s); Marine plants (s); Plants; Plants, Aquatic (s); Sea plants (s); Water gardens; Water plants (s)

Aquatic sports
See also Boats and boating; Canoes and canoeing; Fishing; Rowing; Sailing; Sports; Swimming; Yachts and yachting
Refer from Boats and boating; Rowing; Sailing; Sports; Swimming; Water sports (s); Yachts and yachting

Aqueducts
See also Civil engineering
Refer from Canals; Civil engineering; Conduits (s); Engineering; Hydraulic engineering; Water supply

Arabesques
See also Decoration and ornament
Refer from Decoration and ornament

Arabic language
See also Inscriptions, Arabic; Manuscripts, Arabic; Semitic languages
Refer from Semitic languages

Arabic literature
See also Arabic poetry; Oriental literature
Refer from Arabic poetry; Oriental literature; Turkish literature

Arabic numerals *see* Numerals

Arabic poetry
See also Arabic literature
Refer from Arabic literature

Arabs
See also Algeria; Arabia; Bedouins; Mohammedanism; Moors; Saracens; Semitic race
Refer from Algeria; Arabia; Bedouins; Mohammedanism; Moors; Saracens; Semitic race

Arabs in Spain *see* Moors in Spain

Arachnida
See also Arthropoda; Spiders
Refer from Arthropoda; Spiders

Arbitrage *see* Stock exchange

Arbitration, Industrial, *see* Arbitration and conciliation, Industrial

Arbitration, International
See also Disarmament; International law; Peace; War
Refer from Arbitration and award; Disarmament; International arbitration (s); International law; International relations; Peace; Treaties; War

Arbitration and award
See also Arbitration, International; Appraising; Damages; Eminent domain

Refer from Appraising; Awards (s); Damages; Law

Arbitration and conciliation, Industrial
See also Labor and capital; Labor exchanges; Strikes and lockouts; Trade agreements

Refer from Arbitration, Industrial (s); Commercial law; Conciliation, Industrial (s); Industrial arbitration (s); Industrial conciliation (s); Labor and capital; Labor and laboring classes; Labor unions; Strikes and lockouts; Trade agreements

Arbor day
See also Tree planting

Refer from Forests and forestry; Holidays; Tree planting; Trees

Arboriculture *see* Forests and forestry; Fruit culture; Tree planting; Trees
Arc, Electric, *see* Electric arc
Arc lamps *see* Electric lamps
Arc light *see* Electric lighting; *also* Electric arc

Arcades

Refer from Architecture

Arch *see* Arches
Archaean period *see* Geology, Stratigraphic — Archaean

Archaeologists
See also Historians

Refer from Antiquarians (s); Biography; Historians

Archaeology
See also Amulets; Anthropology; Antiquarian societies; Architecture, Ancient; Arms and armor; Arrowheads; Art, Ancient; Art, Primitive; Baths and bathing; Bells; Bible — Antiquities; Brasses; Bronze age; Bronzes; Burial; Castles; Catacombs; Cave dwellers; Caves; Cemeteries; Chariots; Christian antiquities; Christian art and symbolism; Civilization; Classical antiquities; Cliff dwellers and cliff dwellings; Copper age; Costume; Cromlechs; Cross; Earthworks (archaeology); Epitaphs; Ethnology; Folklore; Funeral rites and ceremonies; Gems; Heraldry; History; History, Ancient; Indians — Antiquities; Industries, Primitive; Inscriptions; Iron age; Kitchen middens; Lake dwellers and lake dwellings; Man — Origin and antiquity; Manners and customs; Medals; Middle ages; Monuments; Mounds and mound builders; Mummies; Mythology; Numismatics; Obelisks; Painting; Picture writing; Pottery; Pyramids; Round towers; Sculpture; Seals (numismatics); Stone age; Stone implements; Sundials; Temples; Tombs; *also* names of countries, cities, etc., subhead Antiquities

Refer from Anthropology; Antiquities (s); Architecture; Architecture, Ancient; Art; Art, Ancient; Art, Primitive; Bronze age; Cave dwellers; Civilization; Classical antiquities; Cliff dwellers and cliff dwellings; Copper age; Earthworks (archaeology); Ethnology; Excavations (s); History; History, Ancient; Industries, Primitive; Iron age; Lake dwellers and lake dwellings; Man; Man — Origin and antiquity; Manners and customs; Monuments; Mythology; Prehistoric archaeology (s); Ruins (s); Stone age

Archbishops
See also Bishops; Catholic church — Clergy; Church of England — Clergy

Refer from Bishops; Catholic church — Biography; Catholic church — Clergy; Christian biography; Church of England — Biography; Church of England — Clergy; Episcopacy

Archegony *see* Spontaneous generation

Archery
See also Bow and arrow

Refer from Bow and arrow; Military art and science; Shooting; Sports

Arches
See also Arches of triumph; Architecture; Bridges; Building; Culverts; Strains and stresses; Vaulting

Refer from Arch (s); Architecture; Bridges; Building; Civil engineering; Engineering; Masonry; Roofs; Strains and stresses; Vaulting

Arches of triumph

Refer from Arches; Architecture; Monuments; Triumphal arches (s)

Architects

Refer from Architecture; Artists; Biography

Architectural acoustics *see* Acoustics of buildings

Architectural design
See also Architectural drawing

Refer from Architectural drawing; Architecture; Decoration and ornament; Design, Architectural (s); Design, Decorative

Architectural details *see* Architecture — Details

Architectural drawing
See also Architectural design; Architecture — Details; Blue prints; Mechanical drawing

Refer from Architectural design; Architecture; Drawing; House plans (s); Mechanical drawing; Plans (architecture) (s)

Architectural gardening *see* Landscape gardening

Architecture
See also Acoustics of buildings; Amphitheaters; Arcades; Archaeology; Arches; Arches of triumph; Architects; Architectural design; Architectural drawing; Art; Barns and stables; Basilicas; Baths, Public; Bridges; Building; Building materials; Carpentry; Castles; Cathedrals; Ceilings; Chimneys; Christian art and symbolism; Church architecture; Columns; Concrete construction; Cornices; Decoration and ornament; Domes; Doors; Factories; Farm buildings; Fences; Fireplaces; Fireproof construction; Floors; Foundations; Fountains; Gables; Garages; Gates; Grain elevators; Greenhouses; Grilles; Heating; High buildings; Hospitals; Hotels; House painting; Library architecture; Machine shops; Masonry; Metal work; Military architecture; Mills and millwork; Moldings; Mosques; Municipal art; Municipal centers; Mural painting and decoration; Obelisks; Orders of architecture; Orientation (architecture); Packing houses; Palaces; Pergolas; Plumbing; Portable buildings; Proportion (art); Public buildings; Pyramids; Railings; Railroads — Buildings; Railroads — Stations; Roofs; Sanitary engineering; Schoolhouses; Secret chambers; Spires; Stair building; Steel construction; Strains and stresses; Strength of materials; Temples; Theaters; Tombs; Towers; Trusses; Vaulting; Vaults; Ventilation; Walls; Warehouses; Windows; Woodwork; *also* names of cities, subhead Architecture

Refer from Acoustics of buildings; Amphitheaters; Arches; Art; Basilicas; Building; Castles; Church architecture; Columns; Construction (s); Cornices; Decoration and ornament; Domes; Doors; Engineering; Industrial arts; Moldings; Palaces; Pergolas; Roofs; Strength of materials; Towers; Vaulting; Windows

——**Ancient**
See also Archaeology; Architecture, Greek; Cliff dwellers and cliff dwellings; Lake dwellers and lake dwellings; Pyramids; Temples

Refer from Archaeology; Art, Ancient

——**Colonial**
See also Architecture, American; *also* names of states and cities, subhead Historic houses, etc.

Refer from Architecture, American; Colonial architecture (s); Colonial life and customs

Architecture — Continued

——**Details**

Refer from Architectural details (s); Architural drawing; Details, Architectural (s)

——**Domestic**

See also Apartment houses; Bungalows; Cottages; Country houses; Farm buildings; Fireplaces; Heating; House decoration; House painting; Housing problem; Log cabins; Plumbing; Tenement houses

Refer from Architecture, Rural (s); Cottages; Country houses; Domestic architecture (s); Dwellings (s); Farm buildings; Farm houses (s); Fireplaces; Habitations, Human (s); House plans (s); Houses (s); Plans (architecture) (s); Residences (s); Rural architecture (s); Suburban houses (s); Summer cottages (s); Tenement houses; Villas (s)

——Ecclesiastical, *see* Church architecture

——**Gothic**

See also Cathedrals; Church architecture

Refer from Cathedrals; Christian antiquities; Church architecture; Gothic architecture (s); Pointed architecture (s)

——**Greek**

See also Orders of architecture; Temples

Refer from Architecture, Ancient; Greek architecture (s); Orders of architecture

——**Medieval**

See also Castles; Cathedrals, and other references under Architecture

Refer from Medieval architecture (s); Middle ages — Architecture (s)

——Military, *see* Fortification; Military architecture

——**Mohammedan**

See also Alhambra; Mosques

Refer from Architecture, Moorish (s); Architecture, Oriental; Mohammedan architecture (s); Moorish architecture (s); Mosques

——Moorish, *see* Architecture, Mohammedan

——Naval, *see* Shipbuilding

——**Oriental**

See also Architecture, Mohammedan; Mosques; Taj Mahal; Temples

Refer from Mosques; Oriental architecture (s); Temples

——**Renaissance**

See also Art, Renaissance

Refer from Art, Renaissance; Renaissance; Renaissance architecture (s)

——Rural, *see* Architecture, Domestic; Bungalows; Cottages; Country houses; Farm buildings

Archives

See also Charters; Manuscripts; Paleography; Vital records; *also* names of countries, subhead Archives

Refer from Bibliography; Charters; Documents (s); History — Sources; Manuscripts; Public records (s); Records, Public (s)

Arctic expeditions *see* Arctic regions

Arctic flora *see* Botany — Arctic regions

Arctic regions

See also Antarctic regions; Eskimos; Icebergs; North pole; Northeast passage; Northwest passage; Scientific expeditions; Voyages and travels; *also* names of exploring expeditions

Refer from Arctic expeditions (s); Discoveries and explorations; Earth; Eskimos; Geography; Ice; Icebergs; North pole; Northeast passage; Northwest passage; Polar regions (s); Scientific expeditions; Voyages and travels

Areometer *see* Hydrometer

Argon

Refer from Air; Chemical elements; Gases

Argonauts

See also Mythology, Classical

Refer from Golden fleece (s); Mythology, Classical

Argot *see* Slang

Argument *see* Debating; Logic

Arianism

See also Church history — Early church; Jesus Christ — Divinity; Socinianism; Trinity; Unitarianism

Refer from Church history — Early church; Humanitarianism (theology) (s); Jesus Christ — Divinity; Socinianism; Trinity; Unitarianism

Arid farming *see* Dry farming

Aristocracy
See also Democracy; Government; Oligarchy; Peerage

Refer from Constitutional history; Democracy; Equality; Government; Nobility (s); Peerage

Arithmetic
See also Calculating machines; Decimal system; Interest; Mathematical instruments; Mathematics; Mensuration; Metric system; Notation (mathematics), Numbers; Numerals; Ready-reckoners

Refer from Interest; Mathematics; Mental arithmetic (s); Numbers; Oral arithmetic (s); Weights and measures

——**Commercial**
See also Accounting; Bookkeeping; Calculating machines; Interest; Ready-reckoners

Refer from Accounting; Business arithmetic (s); Cambistry (s); Commercial arithmetic (s)

Arithmetical instruments *see* Mathematical instruments

Arm
See also Anatomy; Artificial limbs

Refer from Anatomy; Arms (anatomy) (s)

Armada, 1588
See also England — History — Elizabethan period; England — History, Naval; Spain — History — 1479–1700; Spain — History, Naval

Refer from England — History — Elizabethan period; England — History, Naval; Naval battles; Spain — History — 1479–1700; Spain — History, Naval; Spanish armada (s)

Armaments *see* Armies; Disarmament; Navies; *also* names of countries, subheads Army and Navy

Armatures
See also Commutators; Dynamos; Electromagnets

Refer from Dynamos; Electric apparatus and appliances; Electric armatures (s); Electric engineering; Electric motors; Electricity; Electromagnets

Armenian language
See also Aryan languages; Oriental languages

Refer from Aryan languages; Oriental languages

Armies
See also Army life; Disarmament; Mercenary troops; Militarism; Military art and science; Military hygiene; Military maneuvers; Military service; Militia; Navies; Recruiting and enlistment; Soldiers; War; *also* names of countries, subhead Army

Refer from Armaments (s); Army (s); Disarmament; Militarism; Military art and science; Military power (s); Navies; Soldiers; Standing army (s); War

Arminianism

Refer from Calvinism; Predestination; Theology

Armor *see* Arms and armor

Armor plate
See also Armored vessels; Coast defense; Nickel steel

Refer from Armored vessels; Coast defense; Naval art and science; Nickel steel; Steel; Warships

Armored concrete *see* Concrete, Reinforced

Armored vessels
See also Armor plate; Navies; Warships

Refer from Armor plate; Iron-clad vessels (s); Ironclads (s); Naval art and science; Navies; Shipbuilding; Ships; Warships

Armories
See also Arsenals; Military architecture

Refer from Arsenals; Military architecture

Arms (anatomy) *see* Arm

Arms, Coats of, *see* Heraldry

Arms and armor
See also Artillery; Bayonets; Boomerangs; Bow and arrow; Firearms; Guns; Helmets; Indians — Implements and weapons; Ordnance; Pistols; Rifles; Swords; Throwing sticks

Refer from Archaeology; Armor (s); Bayonets; Costume, Military (s); Firearms; Heraldry; Military art and science; Military costume (s); Swords; Weapons (s)

Army *see* Armies; Military art and science; *also* names of countries, subhead Army

Army canteens *see* Canteens (army)

Army life
See also Military service; Soldiers

Refer from Armies; Military life (s); Soldiers; U. S. — Army

Army of the Cumberland
See also U. S. — History — Civil war

Refer from Cumberland, Army of the (s); U. S. — History — Civil war; U. S. — History — Civil war — Campaigns and battles; U. S. — History — Civil war — Regimental histories

Army of the Potomac
See also Peninsular campaign, 1862; U. S. — History — Civil war

Refer from Peninsular campaign, 1862; Potomac, Army of the (s); U. S. — History — Civil war; U. S. — History — Civil war — Campaigns and battles; U. S. — History — Civil war — Regimental histories

Aromatic plant products *see* Essences and essential oils

Arrest
See also Bail; Constables; Extradition; Habeas corpus; Sheriffs

Refer from Bail; Constables; Criminal law; Imprisonment (s); Sheriffs

Arrow-heads *see* Arrowheads

Arrowheads
See also Bow and arrow; Indians — Antiquities

Refer from Archaeology; Arrow-heads (s); Bow and arrow; Indians — Antiquities

Arrows *see* Bow and arrow

Arsenals
See also Armories; Military architecture; *also* names of cities, subhead Arsenals

Refer from Armories; Firearms; Military architecture; Ordnance

Arsenic

Refer from Chemical elements; Poisons

Art
See also Anatomy, Artistic; Animal painting and illustration; Antiques; Archaeology; Architecture; Art and morals; Art forgeries; Art in literature; Art societies; Artists; Arts and crafts, and references under that subject; Brasses; Bric-a-brac; Bronzes; Caricature and cartoons; Carving (art industries); Children in literature and art; Christian art and symbolism; Classicism; Collectors and collecting; Composition (art); Costume; Decoration and ornament; Design, Decorative; Drawing; Engraving; Esthetics; Etching; Frescoes; Gems; Glyptics; House decoration; Idealism in art; Illustration of books; Impressionism (art); Indians — Art; Industrial arts; Landscape gardening; Lithography; Madonnas; Miniature painting; Mosaics; Municipal art; Mural painting and decoration; Music; Naturalism in art; Nude in art; Numismatics; Painting; Pastel; Photography; Pictures; Portraits; Posters; Preraphaelitism; Proportion (art); Realism in art; Sculpture; Silhouettes; Stained glass; Symbolism; Women in literature and art; *also* names of cities, subhead Art

Refer from Arts, Fine (s); Arts and crafts; Christian art and symbolism; Civilization; Composition (art); Decoration and ornament; Design, Decorative; Esthetics; Fine arts (s); Graphic arts (s); Iconography (s); Painting; Sculpture

——**American**
See also Architecture, American; Painting, American; Sculpture, American

Refer from American art (s); U. S. — Art (s); U. S. — Fine arts (s)

——**Ancient**
See also Archaeology; Architecture, Ancient; Art, Primitive; Classical antiquities; *also* Art, Greek; Art, Roman; etc.

Refer from Ancient art (s); Archaeology

——**Appreciation**
See also Art — Criticism; Art — Study and teaching; Esthetics

Refer from Appreciation of art (s); Art — Criticism; Art — Study and teaching; Esthetics

Art—Continued
——Christian, *see* Christian art and symbolism
——**Criticism**
See also Art — Appreciation; Esthetics

Refer from Art — Appreciation; Art criticism (s); Criticism; Esthetics

——Decorative, *see* Arts and crafts; Decoration and ornament; Design, Decorative
——Education, *see* Art — Study and teaching
——**Exhibitions**
See also Art — Galleries and museums

Refer from Art — Galleries and museums; Exhibitions; Paintings; Pictures

——**Galleries and museums**
See also Art — Exhibitions; Paintings; *also* names of galleries, e.g. Louvre, Versailles (palace); and names of cities, subhead Galleries and museums

Refer from Art—Exhibitions; Art galleries(s); Art museums (s); Exhibitions; Galleries (art) (s); Museums; Paintings; Pictures

——**Medieval**

Refer from Medieval art (s); Middle ages — Art (s)

——Municipal, *see* Municipal art
——**Primitive**
See also Archæology; Indians — Art

Refer from Archaeology; Art, Ancient; Ethnology; Primitive art (s)

——**Renaissance**
See also Architecture, Renaissance; Renaissance

Refer from Architecture, Renaissance; Renaissance; Renaissance art (s)

——**Study and teaching**
See also Art — Appreciation

Refer from Art — Appreciation; Art —Education (s); Art education (s); Art in the schoolroom (s)

Art anatomy *see* Anatomy, Artistic
Art and morals
See also Nude in art

Refer from Art; Ethics; Nude in art

Art criticism *see* Art — Criticism
Art education *see* Art — Study and teaching
Art forgeries
See also Antiques, Forged

Refer from Antiques, Forged; Art; Counterfeits; Forgeries (s); Forgery; Forgery of works of art (s); Fraud; Imposture; Paintings; Pictures; Swindlers and swindling

Art galleries *see* Art — Galleries and museums
Art glass *see* Glass, Ornamental
Art in literature

Refer from Art; Literature

Art in the schoolroom *see* Art — Study and teaching; School decoration
Art industries *see* Arts and crafts; Industrial arts
Art museums *see* Art — Galleries and museums
Art societies

Refer from Art; Artists; Societies

Arteries
See also Blood; Blood vessels; Veins

Refer from Blood; Blood vessels; Vascular system; Veins

Artesian wells
See also Boring; Wells

Refer from Boring; Hydraulic engineering; Water supply; Wells

Arthropoda
See also Arachnida; Crustacea; Insects; Invertebrates; Myriapoda

Refer from Arachnida; Crustacea; Insects; Invertebrates; Myriapoda

Arthurian romances
See also Grail

Refer from Chivalry; Grail; Legends; Middle ages — Literature; Romances; Round Table (s)

Articles, Thirty-nine, *see* Church of England — Articles of religion
Articulations *see* Joints
Artificial flowers
See also Glass flowers; Paper flowers; Wax flowers

Refer from Fancy work; Flowers; Flowers, Artificial (s); Millinery

Artificial ice *see* Ice — Manufacture
Artificial language *see* Language, Artificial
Artificial limbs
Refer from Arm; Leg
Artificial stone *see* Stone, Artificial
Artillery
See also Artillery drill and tactics; Gunnery; Military art and science; Naval guns; Ordnance; Projectiles; *also* under country, e.g. U. S.— Army — Artillery. For volunteer regiments in the U. S. *see* under name of state, e.g New York artillery
Refer from Arms and armor; Batteries (military) (s); Coast artillery (s); Coast defense; Field artillery (s); Firearms; Gunnery; Guns; Military art and science; Ordnance
Artillery drill and tactics
See also Gunnery; Tactics; Target practice
Refer from Artillery; Drill (military); Gunnery; Military art and science; Tactics
Artistic anatomy *see* Anatomy, Artistic
Artists
See also Architects; Art societies; Bohemianism; Engravers; Illustrators; Musicians; Painters; Sculptors; Women as artists
Refer from Art; Biography; Engravers; Painters; Sculptors
Artists' marks
Refer from Initials; Marks, Artists' (s); Monograms
Arts, Fine, *see* Art
Arts, Useful, *see* Industrial arts
Arts and crafts
See also Art; Basketwork; Beadwork; Bookbinding; Carving (art industries); China painting; Coppersmithing; Decoration and ornament; Design, Decorative; Domestic arts; Embroidery; Enamel; Furniture; Gesso; Glass; Goldsmithing; Handicraft; Illumination of manuscripts and books; Industrial arts; Inlay; Ironwork; Jewelry; Lace; Lacquer; Leather work; Manual training; Metal work; Modeling; Mosaics; Needlework; Pewter; Pottery; Pyrography; Repoussé work; Rugs; Shellwork; Silversmithing; Stencil work; Tapestry; Weaving; Wood carving
Refer from Art; Art, Decorative (s); Art industries (s); Carving (art industries); China painting; Coppersmithing; Crafts (s); Decoration and ornament; Design, Decorative; Domestic arts; Enamel; Gesso; Goldsmithing; Handicraft; Illumination of manuscripts and books; Industrial arts; Inlay; Ironwork; Jewelry; Leather work; Manual training; Metal work; Modeling; Mosaics; Pottery; Pyrography; Repoussé work; Silversmithing; Wood carving
Aryan civilization *see* Civilization, Aryan
Aryan languages
See also Armenian language; Celtic languages; Germanic languages; Greek language; Indo-Aryan languages; Iranian languages; Latin language; Romance languages; Slavic languages
Refer from Armenian language; Celtic languages; Germanic languages; Greek language; Indo-Aryan languages; Indo-European languages (s); Indo-Germanic languages (s); Iranian languages; Language; Latin language; Romance languages; Slavic languages
Aryans
See also Caucasian race; Celts; Civilization, Aryan; Hindus; Latin races; Slavs; Teutonic race
Refer from Caucasian race; Celts; Civilization, Aryan; Ethnology; Ethnology — Asia; Ethnology — Europe; Hindus; Indo-Europeans (s); Indo-Germanic peoples (s); Latin races; Slavs; Teutonic race
Asbestos
See also Geology, Economic
Refer from Fireproofing; Geology, Economic; Mineralogy
Ascension of Jesus Christ *see* Jesus Christ — Resurrection and ascension
Asceticism
See also Fasting; Hermits; Monasticism
Refer from Church discipline; Church polity; Conduct of life; Ethics; Fanaticism; Fasting; Hermits; Monasticism
Ash Wednesday
See also Lent
Refer from Christian year; Fasts and feasts; Lent
Asiatic cholera *see* Cholera, Asiatic

Asiatic languages *see* Oriental languages
Asiatic literature *see* Oriental literature

Asphalt
See also Geology, Economic; Pavements

Refer from Bitumen (s); Commercial products; Concrete; Geology, Economic; Pavements; Pitch, Mineral (s); Streets

Aspiration *see* Ideals

Assassination
See also Anarchism and anarchists; Murder

Refer from Conspiracies; Crime and criminals; Murder

Assault

Refer from Criminal law

Assaying
See also Blowpipe; Metallurgy; Ores

Refer from Analysis (chemistry) (s); Blowpipe; Chemistry; Chemistry — Analysis; Metallurgy; Metals; Mineralogy; Ores; Prospecting

Assembly, Right of
See also Liberty of speech; Public meetings

Refer from Liberty; Liberty of speech; Public meetings; Right of assembly (s)

Assessment *see* Taxation

Assignments
See also Attachment; Bankruptcy; Commercial law; Liens

Refer from Attachment; Bankruptcy; Commercial law; Contracts; Debt; Law; Trustees

Assimilation *see* Absorption (physiology); Metabolism; Nutrition
Associated charities *see* Charity organization
Association *see* Cooperation

Association of ideas
See also Memory; Psychology

Refer from Ideas, Association of (s); Memory; Mental association (s); Psychology

Associations *see* Corporations; Gilds; Labor unions; Societies
Assurance *see* Insurance

Assyrian langauge
See also Cuneiform writing; Semitic languages

Refer from Cuneiform writing; Semitic languages

Assyrian literature *see* Assyro-Babylonian literature
Assyriology *see* Assyria — Antiquities

Assyro-Babylonian literature
See also Cuneiform writing; Oriental literature

Refer from Assyrian literature (s); Babylonian literature (s); Cuneiform writing; Oriental literature

Asteroids
See also Astronomy

Refer from Astronomy; Planets; Solar system; Stars

Asthma
See also Respiratory organs — Diseases

Refer from Medicine — Practice; Respiratory organs — Diseases

Astigmatism
See also Eye — Diseases and defects

Refer from Eye — Diseases and defects; Sight

Astrolabe
See also Astronomical instruments

Refer from Astronomical instruments

Astrology
See also Occult sciences

Refer from Astronomy; Divination; Fortun telling; Hermetic art (s); Horoscopes (s) Occult sciences; Omens; Planets; Stars Superstition; Zodiac

Astronomers

Refer from Astronomy; Scientists

Astronomical instruments
See also Astrolabe; Astronomical photography; Astronomy, Spherical and practical; Chronograph; Heliometer; Heliostat; Photochronograph; Sextant; Spectroscope; Telescope; Transit (instrument)

Refer from Astrolabe; Astronomy; Astronc my, Spherical and practical; Chronograph Heliometer; Heliostat; Instruments; Optic instruments; Scientific apparatus and instr ments; Sextant; Telescope; Transit (instr ment)

Astronomical mythology

Refer from Astronomy; Mythology; Nature myths

Astronomical observatories

Refer from Astronomy; Observatories, Astronomical (s)

Astronomical photography
See also Photochronograph

Refer from Astronomical instruments; Astronomy; Photography; Photography, Astronomical (s)

Astronomy
See also Aberration; Almanacs; Asteroids; Astrology; Astronomers; Astronomical instruments, and names of instruments; Astronomical mythology; Astronomical observatories; Astronomical photography; Astrophysics; Azimuth; Bible — Astronomy; Calendar; Chronology; Comets; Earth; Eclipses; Equinoxes; Geodesy; Geography, Mathematical; Globes; Gravitation; Latitude and longitude; Mechanics, Celestial; Meteorites; Meteoritic hypothesis; Meteors; Milky way; Moon; Nautical almanacs; Nautical astronomy; Nebulae; Nebular hypothesis; Nutation; Occultations; Orbits; Parallax; Perturbation; Planetesimal hypothesis; Planets [and their names]; Planispheres; Plurality of worlds; Satellites; Seasons; Solar system; Space; Spectra; Spectrum analysis; Stars; Sun; Tides; Time; Transits; Universe; Zodiac; Zodiacal light

Refer from Asteroids; Astrophysics; Comets; Constellations (s); Earth; Eclipses; Equinoxes; Geography, Mathematical; Globes; Gravitation; Heavens (s); Latitude and longitude; Mathematics; Mechanics, Celestial; Meteors; Milky way; Moon; Nebulae; Nebular hypothesis; Occultations; Parallax; Physics; Planets; Satellites; Science; Sky (s); Solar physics (s); Solar system; Stars; Sun; Tides; Time; Transits; Universe; Uranography (s); Zodiac

——**Atlases**
See also Planispheres

Refer from Atlases; Star atlases (s); Stars

——**History**

——**Spherical and practical**
See also Aberration; Astronomical instruments; Azimuth; Eclipses; Latitude and longitude; Least squares; Nautical astronomy; Navigation; Nutation; Occultations; Parallax; Refraction; Time

Refer from Aberration; Astronomical instruments; Azimuth; Eclipses; Geodesy; Latitude and longitude; Least squares; Nautical astronomy; Nutation; Occultations; Parallax; Refraction; Spherical astronomy (s); Time

Astrophysics
See also Astronomy; Spectrum analysis; Stars; Sun

Refer from Astronomy; Solar physics (s); Stars; Sun

Asylum, Right of
See also Aliens

Refer from Church and state; Church law; Extradition; International law; Law; Right of sanctuary (s); Sanctuary (s)

Asylums
See also Almshouses; Blind — Asylums and education; Charities; Deaf and dumb — Asylums and education; Homes for the aged; Hospitals; Inebriate asylums; Insane hospitals; Orphans and orphan asylums; Poor; *also* names of countries and cities, subhead Hospitals and asylums

Refer from Almshouses; Charities; Homes (institutions) (s); Hospitals; Institutions, Charitable and philanthropic (s); Poor

Atavism *see* Heredity

Athanasian creed

Refer from Catholic church — Catechisms and creeds; Church of England — Catechisms and creeds; Creeds; Trinity

Atheism
See also Agnosticism; Deism; God; Materialism; Natural religion; Skepticism; Theism

Refer from Agnosticism; Deism; God; Natural religion; Philosophy; Religion; Skepticism; Theism

Athletics
See also Boxing; College athletics; Fencing; Games; Gymnastics; Jiu-jitsu; Olympic games; Physical education; Rowing; Running; School athletics; Skating; Sports; Swimming; Track athletics; Training; Walking; Wrestling

Refer from Amusements; College athletics; Games; Gymnastics; Physical education; Physical training (s); Play; Sports; Track athletics; Training

Atlantic cable *see* Cables, Submarine

Atlantic coast
See also names of states and localities of the Atlantic coast

Atlases
See also Astronomy — Atlases; Bible — Geography; Geography; Historical atlases; Maps; *also* names of countries, etc., subhead Description and travel — Maps
Refer from Geography; Maps

Atlatl *see* Throwing sticks

Atmosphere *see* Air; Meteorology

Atmospheric electricity
See also Auroras; Lightning
Refer from Air; Auroras; Electricity; Electricity, Atmospheric (s); Lightning; Meteorology

Atmospheric nucleation
See also Condensation; Ionization of gases
Refer from Air; Condensation; Meteorology; Nucleation, Atmospheric (s)

Atomic theory
See also Atoms; Chemistry — History; Chemistry, Physical
Refer from Atoms; Chemistry; Chemistry — History; Chemistry, Physical; Matter

Atomic weights
See also Chemistry, Physical; Periodic law
Refer from Atoms; Chemical elements; Chemistry; Chemistry, Physical

Atoms
See also Atomic theory; Atomic weights; Chemistry; Chemistry, Physical; Electrons; Ions; Matter; Molecules; Physics; Stereochemistry
Refer from Atomic theory; Chemistry; Chemistry, Physical; Matter; Molecules; Physics; Stereochemistry

Atonement
See also Jesus Christ
Refer from Jesus Christ; Jesus Christ — Atonement (s); Sacrifice; Salvation; Theology

Attachment
See also Assignments; Liens
Refer from Assignments; Commercial law; Garnishment (s); Law; Liens; Property

Attention
See also Observation; Psychology; Psychology, Educational
Refer from Apperception; Concentration (s); Memory; Mental discipline; Psychology; Psychology, Educational; Thought and thinking

Attorneys *see* Agency; Lawyers

Auctions
Refer from Business; Commerce; Sale

Auditing
See also Accounting; Bookkeeping
Refer from Accounting; Bookkeeping; Business; Commercial law; Finance

Audition *see* Hearing

Audubon societies
Refer from Birds — Protection

Augury *see* Divination

Augustinians
See also Monasticism
Refer from Monasticism; St. Augustine, Order of (s)

Auricular confession *see* Confession

Aurora borealis *see* Auroras

Auroras
See also Atmospheric electricity; Magnetism, Terrestrial
Refer from Atmospheric electricity; Aurora borealis (s); Magnetism, Terrestrial; Meteorology; Northern lights (s); Polar light (s); Zodiacal light

Auscultation
See also Diagnosis
Refer from Chest; Diagnosis; Heart; Lungs

Australian ballot
Refer from Ballot; Elections

Austrian literature
See also German literature
Refer from German literature

Austrian succession, War of, 1740-1748
See also Austria — History; Europe — History — 1492–1789; France — History —
Refer from Austria — History; Europe — History — 1492–1789; France — History —

Bourbons; Germany — History — 1740–1815; Italy — History — 1559–1789; Spain — History — 1700–

Authority (in religion)
See also Belief; Bible — Evidences and authority; Catholic church — Authority; Faith; Popes — Authority and supremacy

Authors
See also Anonyms; Authorship; Bibliography; Copyright; Dramatists; Essayists; Historians; Humorists; Literature; Naturalists; Novelists; Poets; Pseudonyms; Scientists; Women as authors

——American
See also American literature; Poets, American

Authorship
See also Authors; Book dedication; Collaboration; Copyright; Journalism; Plagiarism; Plots (drama, novel, etc.); Short stories; Versification

Autobiography

Autoboats *see* Motor boats
Autocars *see* Automobiles

Autographs
See also Manuscripts

Automatism
See also Consciousness

Automobile racing
Automobile stories
Automobile touring

Automobiles
See also Automobile racing; Automobile stories; Automobile touring; Garages; Motor cycles; Motors; Speed; Tires

Automobiling *see* Automobile touring; Automobiles

Autopsy

Autosuggestion *see* Suggestion

Autumn
See also Seasons

Autumnal catarrh *see* Hay Fever

Auxiliary schools
See also Children, Abnormal and backward; Defectives

Avalanches
See also Landslides; Mountains

Avarice
See also Egoism; Misers

Avesta
See also Parsees; Zoroastrianism

Aviation *see* Aeronautics

Bourbons; Germany — History — 1740–1815; Italy — History — 1559–1789; Spain — History — 1700–; War of the Austrian succession (s)

Refer from Belief; Religion; Religious authority (s); Theology

Refer from Authorship; Biography; Dramatists; Essayists; Historians; Humorists; Literary men (s); Literature; Novelists; Poets; Writers (s)

Refer from American authors (s); American literature; U. S. — Biography

Refer from Authors; Copyright; Journalism; Literature; Writing; Writing for the press (s)

Refer from Biography; History; Memoirs (s)

Refer from Biography; Collectors and collecting; Handwriting (s); Signatures (s); Writing

Refer from Animal intelligence; Consciousness; Psychology
Refer from Automobiles; Racing (s); Sports
Refer from Automobiles; Fiction
Refer from Automobiles; Automobiling (s); Motoring (s); Voyages and travels

Refer from Autocars (s); Automobiling (s); Carriages; Cars; Electric carriages (s); Horseless carriages (s); Locomotion; Manufactures; Motor carriages (s); Motor vehicles (s); Motoring (s); Motors; Tires; Transportation; Vehicles

Refer from Anatomy; Death; Dissection; Medical jurisprudence; Medicine; Pathology; Post-mortem examinations (s); Surgery

Refer from Fall (s); Seasons

Refer from Children, Abnormal and backward; Defectives; Education; Schools

Refer from Landslides; Mountains; Snow

Refer from Conduct of life; Covetousness (s); Egoism; Ethics; Misers

Refer from Parsees; Persian literature; Sacred books; Zend-Avesta (s); Zoroastrianism

Aviators *see* Aeronauts
Awards *see* Arbitration and award
Axioms
See also Geometry

Refer from Geometry; Mathematics; Philosophy; Truth

Axles
See also Bearings (machinery); Wheels

Refer from Wheels

Azimuth
See also Astronomy, Spherical and practical

Refer from Astronomy; Astronomy, Spherical and practical; Geodesy

Aztecs
See also Indians of Mexico; Mexico — Antiquities; Toltecs

Refer from Indians of Mexico; Mexico — Antiquities; Toltecs

Babies *see* Infants
Babism
See also Mohammedanism

Refer from Bahaism (s); Behaism (s); Mohammedanism; Religions

Baby *see* Infants
Babylonian literature *see* Assyro-Babylonian literature
Baccalaureate sermons *see* College sermons
Bachelors

Refer from Celibacy; Men

Bachelor's degrees *see* Degrees, Academic
Bacilli *see* Bacteriology; Germ theory of disease
Backbone *see* Spine
Backgammon

Refer from Games

Backward children *see* Children, Abnormal and backward
Bacon-Shakespeare controversy *see* Shakespeare, William — Authorship
Bacon's rebellion, 1676
See also U. S.— History — Colonial period; Virginia — History

Refer from U. S.— History — Colonial period; Virginia — History

Bacteria *see* Bacteriology
Bacteriology
See also Dairy bacteriology; Dust; Fermentation; Germ theory of disease; Immunity; Microscope and microscopy; Putrefaction; Soil bacteriology; Water — Analysis

Refer from Bacilli (s); Bacteria (s); Biology; Botany; Contagion and contagious diseases; Disease germs (s); Dust; Fermentation; Fungi; Germ theory of disease; Germs (s); Medicine; Microbes (s); Micro-organisms (s); Microscope and microscopy; Parasites; Pathology; Putrefaction; Water — Analysis

——Agricultural
See also Dairy bacteriology; Nitrification; Plants — Diseases; Soil bacteriology; *also* names of crops, subhead Diseases and pests, e.g. Fruit — Diseases and pests

Refer from Agricultural bacteriology (s); Agriculture; Dairy bacteriology; Plants — Diseases; Soil bacteriology; Soils

Badges of honor *see* Decorations of honor; Insignia; Medals
Baggage
See also Packing for shipment

Refer from Bailments; Carriers; Luggage (s); Railroads — Baggage (s); Travel

Bagpipes
See also Music — Scotland; Wind instruments

Refer from Music —Scotland; Wind instruments

Bahaism *see* Babism
Bail
See also Arrest; Guaranties and sureties

Refer from Arrest; Criminal law; Guaranties and sureties; Law

Bailments
See also Agency; Baggage; Carriers; Commercial law; Liens; Negligence; Pawnbroking; Warehouses

Refer from Agency; Carriers; Commercial law; Contracts; Guaranties and sureties; Law; Negligence; Pawnbroking; Warehouses

Bakers and bakeries
See also Baking

Refer from Baking; Food

Baking
See also Bakers and bakeries; Bread; Cake; Cookery; Ovens; Pastry
Refer from Bakers and bakeries; Bread; Cake; Cookery; Ovens; Pastry

Baking powder
Refer from Chemistry, Technical; Cookery

Balance of power
See also Eastern question (Near East); Europe — Politics; International relations
Refer from Eastern question (Near East); Europe — Politics; International relations

Balance of trade
See also Commerce; Tariff; Tariff question
Refer from Commerce; Economics; Exchange; Tariff; Tariff question; Trade, Balance of (s)

Baldness
See also Hair
Refer from Hair; Head

Balkan question *see* Eastern question (Near East)

Ball *see* Baseball; Basket-ball; Cricket; Football; Handball

Ball bearings *see* Bearings (machinery)

Ballads
See also Chapbooks; Folk songs; Legends; Lyric poetry; Poetry; Songs
Refer from Carols; Chapbooks; Folk songs; Legends; Literature; Lyric poetry; Poetry; Songs

——American
See also American poetry; Ballads, English; Songs, American
Refer from American ballads (s); American literature; American poetry; American songs (s); Ballads, English; Songs, American

——English
See also Ballads, American; Ballads, Irish; Ballads, Scottish; English poetry; Songs, English
Refer from Ballads, American; Ballads, Irish; Ballads, Scottish; English ballads (s); English literature; English poetry; English songs (s); Songs, English

——Irish
See also Ballads, English; Irish poetry; Songs, Irish
Refer from Ballads, English; Irish ballads (s); Irish literature; Irish poetry; Irish songs (s); Songs, Irish

——Scottish
See also Ballads, English; Scottish poetry; Songs, Scottish
Refer from Ballads, English; Scotch ballads (s); Scottish ballads (s); Scottish literature; Scottish poetry; Scottish songs (s); Songs, Scottish

Ballet
See also Dancing; Pantomime
Refer from Dancing; Pantomime; Theater

Ballistics
See also Gunnery; Ordnance; Photochronograph; Projectiles; Shooting
Refer from Gunnery; Ordnance; Photochronograph; Projectiles; Shooting

Balloonists *see* Aeronauts

Balloons
See also Aeronautics; Airships
Refer from Aeronautics; Airships

——Dirigible, *see* Airships

Ballot
See also Australian ballot; Elections; Suffrage; Voting machines
Refer from Elections; Government; Politics; Short ballot (s); Suffrage; Voting (s)

Balls (parties)
See also Cotillion; Dancing; Masquerades
Refer from Amusements; Cotillion; Dancing; Entertaining; Masquerades; Parties (s)

Balustrades *see* Railings

Bamboo
Refer from Furniture; Grasses; Woodwork

Bandages and bandaging
See also First aid in illness and injury; Surgery
Refer from Bandaging (s); First aid in illness and injury; Surgery

Bandaging *see* Bandages and bandaging

Banditti *see* Brigands and robbers

Bands (music)
See also Conducting (music); Instrumentation and orchestration; Military music; Orchestras; Wind instruments
Refer from Conducting (music); Instrumental music; Military music; Music; Orchestras; Wind instruments

Bandy *see* Hockey
Banishment *see* Exile; Penal colonies
Bank deposit guaranty *see* Banks and banking — Guaranty of deposits

Bank notes
See also Banks and banking; Counterfeits; Legal tender; Paper money

Refer from Banks and banking; Counterfeits; Engraving; Money; National bank notes (s); National banks; Paper money

Bankers
Banking *see* Banks and banking

Bankruptcy
See also Assignments; Commercial law; Debt; Receivers

Refer from Assignments; Commerce; Commercial law; Corporations; Debt; Failure (in business) (s); Finance; Insolvency (s); Law; Partnership; Receivers

Banks and banking
See also Agricultural credit; Bank notes; Bankers; Building and loan associations; Checks; Clearing houses; Credit; Discount; Economics; Exchange; Finance; Foreign exchange; Interest; Land banks; Money; National banks; Pawnbroking; Postal savings banks; Savings banks; School savings banks; Stock exchange; Stocks; Trust companies; Vaults; *also* names of cities, subhead Banks

Refer from Agricultural banks (s); Bank notes; Banking (s); Bills of credit (s); Bills of exchange (s); Bimetallism; Capital; Checks; Clearing houses; Commerce; Credit; Discount; Economics; Finance; Government banking (s); Interest; Investments; Land banks; Money; National banks; Paper money; Savings banks; Stock exchange; Trust companies; Wealth

——Guaranty of deposits

Refer from Bank deposit guaranty (s); Guaranty of bank deposits (s)

——Law
Refer from Commercial law

——U. S.
See also National banks

Refer from Money — U. S.; National banks; State banks (s); U. S. — Banks (s)

Banners *see* Flags
Banquets *see* Dinners and dining

Baptism
See also Baptismal fonts; Baptists; Close communion; Jesus Christ — Baptism; Regeneration (theology); Sacraments

Refer from Baptists; Christening (s); Christian antiquities; Church membership; Church polity; Immersion, Baptismal (s); Regeneration (theology); Rites and ceremonies; Sacraments; Theology

——Infants
See also Infant salvation; Predestination

Refer from Infant baptism (s); Infant salvation

Baptismal fonts
See also Church furniture

Refer from Baptism; Church furniture; Fonts (s)

Baptists
See also Anabaptists; Baptism; Close communion; Congregationalism; German Baptist brethren; Mennonites; Seventh-day Baptists

Refer from Anabaptists; Baptism; Close communion; Congregationalism; Sects

Bar *see* Lawyers

Barbarian invasions of Rome
See also Goths; Huns; Italy —History — To 1559; Migration of nations; Rome — History — Empire; Vandals

Refer from Goths; Huns; Italy — History — To 1559; Invasions of Rome, Barbarian (s); Migration of nations; Rome — History — Empire; Vandals

Barbary corsairs *see* Pirates
Barbed wire *see* Fence wire

Barbizon school
See also Painting, French

Refer from Landscape painting; Painting, French

Bards
See also Celtic literature; Meistersingers; Minnesingers; Minstrels; Troubadours; Trouvères

Refer from Celtic literature; Minstrels; Poetry; Poets

Bark *See also* Botany, Structural; Trees; Wood	*Refer from* Botany, Structural; Trees; Wood
Barley *See also* Grain	*Refer from* Grain
Barns and stables *See also* Farm buildings; Garages; Horse	*Refer from* Architecture; Cattle; Domestic animals; Farm buildings; Horse; Live stock; Stables (s)
Barometer *See also* Meteorological instruments	*Refer from* Air; Aneroid barometer (s); Meteorological instruments; Physics; Surveying instruments
Baronage *see* Peerage	
Baronetage *see* Peerage	
Barons' war, 1263–1267 *See also* England — History — Plantagenets	*Refer from* England — History — Plantagenets
Barracks *See also* Military architecture	*Refer from* Military architecture
Barrels *see* Cooperage	
Barristers *see* Lawyers	
Barrows *see* Mounds and mound builders	
Bartholomew, St., Massacre of, *see* St. Bartholomew's day, Massacre of	
Bas-relief *See also* Carving (art industries); Sarcophagi; Sculpture; Wood carving	*Refer from* Carving (art industries); Decoration and ornament; Sculpture
Baseball *See also* College athletics	*Refer from* Ball (s); College athletics; Games; School athletics
Basilicas *See also* Architecture; Church architecture	*Refer from* Architecture; Church architecture
Basket-ball *See also* College athletics	*Refer from* Ball (s); College athletics; Games; School athletics
Basket making *see* Basketwork	
Basketry *see* Basketwork	
Basketwork *See also* Indians — Industries	*Refer from* Arts and crafts; Basket making (s); Basketry (s); Domestic arts; Indians — Industries; Manual training; Weaving
Basques	*Refer from* Ethnology — France; Ethnology — Spain; France — History
Bat *see* Bats	
Bathing *see* Baths and bathing	
Baths, Public	*Refer from* Architecture; Baths and bathing; Municipal improvement; Public baths (s)
Baths and bathing *See also* Baths, Public; Diving; Hydrotherapy; Swimming	*Refer from* Archaeology; Bathing (s); Cleanliness; Hydrotherapy; Hygiene; Sea bathing (s); Seashore; Swimming; Therapeutics; Toilet; Turkish baths (s); Water
Batrachia *see* Amphibia	
Bats *See also* Mammals	*Refer from* Bat (s); Cheiroptera (s); Chiroptera (s); Mammals
Batteries (electric) *see* Electric batteries; Storage batteries	
Batteries (military) *see* Artillery	
Battle, Wager of, *see* Wager of battle	
Battle cries	*Refer from* Cries (s); War cries (s); Yells
Battle-ships *see* Warships	
Battle-songs *see* War songs	
Battlefield relief *See also* First aid in illness and injury; Hospitals, Military; Medicine, Military; Military hygiene; Red cross; Surgery, Military	*Refer from* First aid in illness and injury; Hospitals, Military; Medicine, Military; Military hygiene; Red cross; Relief work (s); Surgery, Military

Battles
See also Imaginary wars and battles; Massacres; Military history; Naval battles; Sieges; *also* names of battles, e.g. Gettysburg, Battle of; Waterloo, Battle of; and names of generals, wars, etc.
Refer from History; Military art and science; Military history; Naval battles; Sieges; War

Battleships *see* Warships

Bayeux tapestry
Refer from Tapestry

Bayonets
See also Arms and armor
Refer from Arms and armor; Guns

Bays and gulfs
Refer from Gulfs (s); Physical geography

Beaches
See also Dunes; Physical geography; Seashore
Refer from Geology; Physical geography; Seashore

Beacons
See also Lighthouses
Refer from Life-saving; Lighthouses; Navigation; Signals

Beads
See also Beadwork; Rosary; Wampum
Refer from Beadwork; Jewelry

Beadwork
See also Beads; Indians — Industries
Refer from Arts and crafts; Beads; Fancy work; Indians — Industries; Needlework; Weaving

Beams *see* Girders

Bear *see* Bears

Bearing reins *see* Checkreins

Bearings (machinery)
See also Friction; Lubrication and lubricants; Machine design
Refer from Axles; Ball bearings (s); Friction; Journals (machinery) (s); Lubrication and lubricants; Machine design; Machinery

Bears
See also Carnivora
Refer from Bear (s); Carnivora; Hunting; Ursidae (s)

Beasts *see* Animals; Bestiaries; Domestic animals; Zoology

Beasts of prey *see* Carnivora

Beatitudes
See also Bible — New Testament — Matthew; Sermon on the mount
Refer from Bible; Bible — New Testament — Matthew; Sermon on the mount

Beautiful, The, *see* Esthetics

Beauty *see* Beauty, Personal; Esthetics

Beauty, Personal
See also Cosmetics; Costume; Hair; Hand; Skin; Teeth; Toilet
Refer from Beauty (s); Complexion (s); Cosmetics; Face; Hygiene; Personal beauty (s); Toilet; Women

Beaux *see* Dandies

Becquerel rays *see* Radioactivity

Bedouins
See also Arabia; Arabs; Nomads
Refer from Arabia; Arabs; Nomads

Beds
See also Furniture
Refer from Furniture

Bee *see* Bees

Beef
See also Meat; Packing industry
Refer from Cattle; Meat; Packing industry

Beer
See also Ale; Brewing; Liquors; Malt
Refer from Ale; Brewing; Liquors; Malt

Bees
See also Honey; Hymenoptera; Wax
Refer from Agriculture; Apiaries (s); Apiculture (s); Bee (s); Honey; Hymenoptera

Beet *see* Beets and beet sugar

Beet sugar *see* Beets and beet sugar

Beetles
See also Insects; Scarabs; Weevils
Refer from Coleoptera (s); Insects; Insects, Injurious and beneficial; Weevils

Beets and beet sugar
See also Sugar; Vegetables
Refer from Beet (s); Beet sugar (s); Sugar; Sugar beet (s); Vegetables

Begging
See also Charity; Poor; Tramps — *Refer from* Mendicity (s); Poor; Tramps

Behaism *see* Babism

Behavior *see* Conduct of life; Etiquet

Being
See also Metaphysics; Reality — *Refer from* Infinite; Metaphysics; Ontology (s); Philosophy; Reality

Belgian hares
See also Hares — *Refer from* Hares; Rabbits

Belief
See also Agnosticism; Authority (in religion); Certainty; Creeds; Faith; Rationalism; Religions; Sects; Skepticism; Truth — *Refer from* Authority (in religion); Certainty; Conviction (s); Doubt (s); Faith; Intellect; Knowledge; Metaphysics; Opinion (s); Philosophy; Psychology; Religion; Religious belief (s); Theology; Truth

Bell buoys *see* Buoys

Bell founding *see* Bells

Belles-lettres *see* Literature

Bells
See also Chimes and chiming; Electric bells — *Refer from* Archaeology; Bell founding (s); Campanology (s); Chimes and chiming; Church bells (s); Ringing (s)

Belting
See also Machine design; Power transmission; Pulleys; Rope driving; Shafting — *Refer from* Chain belting (s); Machine design; Machinery; Power transmission; Pulleys; Rope driving; Shafting

Benedictines
See also Cistercians; Monasticism — *Refer from* Cistercians; Monasticism

Benefit of clergy — *Refer from* Church law; Church polity; Clergy; Law

Benefit societies
See also Building and loan associations; Insurance, Industrial; Insurance, Life; Labor unions; Odd Fellows; Secret societies — *Refer from* Benevolent societies (s); Building and loan associations; Cooperation; Fraternal insurance (s); Fraternities, Benevolent (s); Friendly societies (s); Insurance; Insurance, Fraternal (s); Insurance, Industrial; Insurance, Life; Labor and laboring classes; Labor unions; Mutual aid societies (s); Mutual benefit societies (s); Secret societies; Societies; Thrift

Benevolence *see* Altruism; Charity; Philanthropy; Poor

Benevolent societies *see* Benefit societies; Charitable societies

Bengali language
See also Indo-Aryan languages — *Refer from* Indo-Aryan languages

Bequests *see* Gifts; Inheritance; Legacies; Wills

Berbers
See also Barbary States; Hamites — *Refer from* Barbary States; Ethnology — Africa; Hamites

Berries
See also Fruit; *also* names of berries, e.g. Strawberries — *Refer from* Fruit; Small fruit (s); Strawberries

Bertillon system
See also Anthropometry; Finger prints; Identification — *Refer from* Anthropometry; Crime and criminals; Finger prints; Identification

Bessemer process
See also Steel — *Refer from* Steel

Best books *see* Books and reading — Best books

Bestiaries
See also Animal lore — *Refer from* Animal lore; Beasts (s); Fables; Literature

Béton *see* Concrete

Betterment, Industrial, *see* Industrial betterment

Betterments *see* Real estate; Single tax; Unearned increment

Betting
See also Gambling; Probabilities

Refer from Book-making (betting) (s); Bookmaking (betting) (s); Gambling; Sports; Wagers (s)

Bevel gearing *see* Gearing

Beverages
See also Chocolate; Cider; Cocoa; Coffee; Drinking customs; Food; Liquors, and names of liquors; Milk; Mineral waters; Stimulants; Tea; Temperance; Water

Refer from Chocolate; Cider; Cocoa; Coffee; Diet; Drinks (s); Food; Liquors; Manufactures; Mineral waters; Stimulants; Tea; Temperance

Bezique
See also Cards

Refer from Cards

Bhang *see* Hashish

Bible
Text, arranged alphabetically by language, the English translations arranged chronologically
——**Selections** [from both Old and New Testaments]

Bible [as subject]
See also Angels; Apostles; Beatitudes; Bible and science; Bible in the schools; Bible societies; Christianity; Church history; Commandments; Creation; Deluge; Fall of man; God; Jesus Christ; Jews; Lord's prayer; Miracles; Parables; Patriarchs; Prophets; Religion and science; Revelation; Saints; Sermon on the mount; Theology

Refer from Christianity; Church history; God; Holy Scriptures (s); Jesus Christ; Jewish literature; Jews; Religion; Revelation; Sacred books; Scriptures (s); Theology

——Animals, *see* Bible — Natural history
——**Antiquities**
See also Bible — History; Christian antiquities; Jews — Antiquities; Palestine — Antiquities

Refer from Archaeology; Bible — History; Biblical archaeology (s); Christian antiquities; Jews — Antiquities; Palestine — Antiquities

——**Astronomy**

Refer from Astronomy; Bible — Science

——Authenticity, *see* Bible — Evidences and authority
——Authorship, *see* Bible — Evidences and authority
——**Bibliography**
See also Bible — Manuscripts; Bible — Versions
——**Biography**
See also Bible — History; Saints

Refer from Bible — History; Biography; Saints

——Birds, *see* Bible — Natural history
——Botany, *see* Bible — Natural history
——**Canon**
See also Bible — Evidences and authority; Bible — Inspiration

Refer from Bible — Criticism and interpretation; Bible — Evidences and authority; Bible — Inspiration; Canon (Bible) (s)

——Catechisms, *see* Bible — Question books; Catechisms
——**Chronology**
See also Bible — History

Refer from Bible — History; Chronology, Biblical (s); Chronology, Historical

——Coins, *see* Bible — Numismatics
——Colportage, *see* Bible — Publication and distribution
——**Commentaries** [with or without text. Commentaries with text should be entered also with texts of the Bible]
See also Bible — Criticism and interpretation; *also* names of separate books and parts of the Bible

Refer from Bible — Criticism and interpretation; Commentaries (s)

Bible — Continued

——**Concordances**
Refer from Concordances (s)

——Credibility, *see* Bible — Evidences and authority

——**Criticism and interpretation**
See also Bible — Canon; Bible — Commentaries; Bible — Evidences and authority; Modernism
Refer from Bible — Commentaries; Bible — Hermeneutics (s); Bible — Higher criticism (s); Bible — Interpretation (s); Bible — Textual criticism (s); Criticism; Exegesis (s); Hermeneutics (s); Higher criticism (s)

——**Dictionaries**

——Distribution, *see* Bible — Publication and distribution

——Editions, *see* Bible — Versions

——**Ethnology**
See also Hittites; Jews — Ethnology; Jews — Lost tribes
Refer from Ethnology; Jews — Ethnology

——**Evidences and authority**
See also Bible — Canon; Bible — Inspiration; Christianity — Evidences
Refer from Authority (in religion); Bible — Authenticity (s); Bible — Authorship (s); Bible — Canon; Bible — Credibility (s); Bible — Criticism and interpretation; Bible — Inspiration; Christianity — Evidences; Evidences of the Bible (s)

——**Geography**
See also Palestine — Description and travel
Refer from Atlases; Geography, Ancient; Geography, Biblical (s); Palestine — Description and travel

——Hermeneutics, *see* Bible — Criticism and interpretation

——Higher criticism, *see* Bible — Criticism and interpretation

——**History**
See also Bible — Antiquities; Bible — Biography; Bible — Chronology; Bible — Stories; Bible — Old Testament — Historical books; Jews — History; Palestine — History. For history of editions and versions *see* Bible — Versions
Refer from Bible — Antiquities; Bible — Biography; Bible — Chronology; History, Ancient; Jews — History; Palestine — History; Sacred history (s)

——Illustrations, *see* Bible — Pictorial illustrations

——**Inspiration**
See also Bible — Canon; Bible — Evidences and authority
Refer from Bible — Canon; Bible — Evidences and authority; Inspiration

——Interpretation, *see* Bible — Criticism and interpretation

——**Introductions**

——Language, style, etc., *see* Bible — Literary character

——**Literary character**
Refer from Bible — Language, style, etc. (s); Bible — Poetry (s); Bible as literature (s); Literature

——Literary history, *see* Bible — Versions

——**Manuscripts**
Refer from Bible — Bibliography; Bible — Versions

——**Medicine, hygiene, etc.**
Refer from Hygiene; Medicine

——**Miscellaneous**

——Money, *see* Bible — Numismatics

——**Music**
See also Music — Jews
Refer from Church music; Music; Music — Jews

——**Natural history**
Refer from Bible — Animals (s); Bible — Birds (s); Bible — Botany (s); Bible — Science; Botany of the Bible (s); Natural history

——**Numismatics**
Refer from Bible — Coins (s); Bible — Money (s); Numismatics

Bible — Continued

——**Paraphrases**

——**Pictorial illustrations**
See also Names of Bible characters and Biblical subjects, e.g. Jesus Christ in art
Refer from Bible — Illustrations (s); Christian art and symbolism

——Poetry *see* Bible — Old Testament — Poetical books; Bible — Literary character

——**Prophecies**
See also Bible — Old Testament — Prophetical books; Prophets
Refer from Prophecies; Prophets

——**Psychology**
Refer from Biblical psychology (s); Psychology, Biblical (s)

——**Publication and distribution**
See also Bible societies
Refer from Bible — Colportage (s); Bible — Distribution (s); Bible houses (s); Bible societies; Colportage (s); Missions; Tract societies

——**Question books**
See also Catechisms
Refer from Bible — Catechisms (s); Catechisms; Sunday school lessons

——**Revision**
See also Bible — Versions
Refer from Bible — Versions; Revision of the Bible (s)

——**Science**
See also Bible — Astronomy; Bible — Natural history

——**Stories**
Refer from Bible — History; Bible stories (s)

——**Study and teaching**
See also Sunday school lessons; Sunday schools
Refer from Bible classes (s); Bible study (s); Religious education · Sunday school lessons; Sunday schools

——Textual criticism, *see* Bible — Criticism and interpretation

——Theology, *see* Theology

——Translations, *see* Bible — Versions

——**Versions**
See also Bible — Manuscripts; Bible — Revision
Refer from Bible — Bibliography; Bible — Editions (s); Bible — History; Bible — Literary history (s); Bible — Revision; Bible — Translations (s)

Bible — Old Testament
Subdivided like the Bible. The books are arranged here in canonical order, in accordance with the A. L. A. rule. Alphabetical arrangement under Bible — Old Testament and Bible — New Testament may be adopted by libraries which find it more convenient. Reference should be made from the name of each book in the main alphabet
See also Talmud
Refer from Hebrew literature; Jews — Religion; Old Testament (s)

———**Historical books**
Refer from Bible — History

———**Octateuch**
Refer from Octateuch (s)

———**Hexateuch**
Refer from Hexateuch (s)

———**Pentateuch**
Refer from Pentateuch (s)

———**Poetical books**
Refer from Bible — Poetry (s); Hebrew poetry

———**Prophetical books**
Refer from Bible — Prophecies

———**Genesis**
See also Creation; Deluge; Eden; Fall of man; Patriarchs
Refer from Creation; Deluge; Eden; Fall of man; Patriarchs

———**Exodus**
See also Commandments
Refer from Commandments

Bible — Old Testament — Continued

——Leviticus	
See also Mosaic law	*Refer from* Mosaic law
——Numbers	
——Deuteronomy	
See also Mosaic law	*Refer from* Mosaic law
——Joshua	
——Judges	
——Ruth	
——Samuel 1, 2	
——Kings 1, 2	
——Chronicles 1, 2	
——Ezra	
——Nehemiah	
——Esther	
——Job	
——Psalms	*Refer from* Psalmody (s); Psalter (s)
——Proverbs	*Refer from* Proverbs
——Ecclesiastes	
——Song of Solomon	*Refer from* Canticles (s)
——Isaiah	
——Jeremiah	
——Lamentations	
——Ezekiel	
——Daniel	
——Hosea	
——Joel	
——Amos	
——Obadiah	
——Jonah	
——Micah	
——Nahum	
——Habakkuk	
——Zephaniah	
——Haggai	
——Zechariah	
——Malachi	
——Apocrypha	*Refer from* Apocrypha (s)
——Esdras	
——Tobit	
——Judith	
——Wisdom of Solomon	
——Ecclesiasticus	
——Baruch	
——Song of the three children	
——Susanna	
——Bel and the dragon	
——Prayer of Manasses	
——Maccabees 1, 2, 3, 4	
——Other apocryphal books in alphabetic order, as: Adam, Enoch, Jasher	
Bible — New Testament [see note under Old Testament]	
See also Apostles; Church history — Early church — Apostolic; Jesus Christ	*Refer from* Apostles; Church history — Early church — Apostolic; Evangelists (s); Jesus Christ; New Testament (s)
——Gospels	
See also Jesus Christ; Jesus Christ — Teaching; Parables	*Refer from* Gospels (s); Jesus Christ — Teaching; Parables; Synoptic Gospels (s)
——Harmonies	*Refer from* Harmony of the Gospels (s)
——Epistles	*Refer from* Pauline epistles (s)
——Matthew	
See also Beatitudes; Lord's prayer; Sermon on the mount	*Refer from* Beatitudes; Lord's prayer; Sermon on the mount
——Mark	
——Luke	
See also Lord's prayer	*Refer from* Lord's prayer

Bible — New Testament — Continued
———John
———Acts
———Romans
———Corinthians 1, 2
———Galatians
———Ephesians
———Philippians
———Colossians
———Thessalonians 1, 2
———Timothy 1, 2
———Titus
———Philemon
———Hebrews
———James
———Peter 1, 2
———Epistles of John
———Jude
———Revelation
See also Apocalyptic literature

Refer from Apocalypse (s); Apocalyptic literature

———Apocryphal books
See also Apostolic constitut ons

Refer from Apocryphal books (New Testament) (s); Church history — Early church

Bible and science
See also Religion and science

Refer from Bible; Geology and the Bible (s); Religion and science; Science and the Bible (s)

Bible as literature *see* Bible — Literary character
Bible classes *see* Bible — Study and teaching; Sunday schools
Bible houses *see* Bible — Publication and distribution
Bible in the schools
See also Church and education; Public schools and religion

Refer from Bible; Church and education; Education; Public schools; Public schools and religion; Religious education

Bible societies
See also Bible — Publication and distribution

Refer from Bible; Bible — Publication and distribution; Societies

Bible stories *see* Bible — Stories
Bible study *see* Bible — Study and teaching
Biblical archaeology *see* Bible — Antiquities
Biblical psychology *see* Bible — Psychology
Biblical theology *see* Theology
Bibliography
See also Anonyms; Archives; Block books; Book collecting; Book rarities; Bookbinding; Bookplates; Books; Books and reading; Cataloging; Catalogs; Catalogs, Library; Classification; Errors and blunders; Literary; Incunabula; Indexes; Indexing; Libraries; Literature; Manuscripts; Periodicals — Indexes; Pseudonyms; Reference books; Titles of books; *also* names of literatures, as American literature, and names of persons, places and subjects, subhead Bibliography

Refer from Authors; Books; Books and reading; Catalogs; Catalogs, Library; Libraries; Library science; Literary history (s); Literature

——Best books, *see* Books and reading — Best books
——Rare books, *see* Book rarities
Bibliomania *see* Book collecting
Bibliophily *see* Book collecting
Bicycles and tricycles
See also Cycling; Motor cycles; Tires

Refer from Cycling; Tricycles (s); Velocipedes (s)

Bicycling *see* Cycling
Big game *see* Game; Hunting
Bill-boards *see* Billposting
Bill-posting *see* Billposting
Billboards *see* Billposting
Billiards — *Refer from* Games
Billposting
See also Advertising; Posters — *Refer from* Advertising; Bill-boards (s); Bill-posting (s); Billboards (s); Municipal improvement; Posters
Bills of credit *see* Banks and banking; Credit; Money; Paper money
Bills of exchange *see* Banks and banking; Credit; Exchange; Money; Paper money
Bills of fare *see* Menus
Bimetallism
See also Banks and banking; Coinage; Finance; Gold (as money); Money; Precious metals; Silver (as money) — *Refer from* Coinage; Finance; Gold (as money); Joint standard (s); Money; Silver (as money)
Binders *see* Harvesting machinery
Binding *see* Bookbinding
Biograph *see* Moving pictures
Biography
See also Abolitionists; Actors; Aeronauts; Anecdotes; Archaeologists; Architects; Artists; Authors; Autobiography; Autographs; Bankers; Bible — Biography; Booksellers and bookselling; Brigands and robbers; Capitalists and financiers; Chancellors, Lord; Chief justices; Christian biography; Classical biography; Clergy — Biography; Conjurors; Crime and criminals; Dentists; Diplomatic memoirs; Diplomats; Educators; Electricians; Emperors; Engineers; Engravers; Epitaphs; Executioners; Explorers; Genealogy; Governors; Heraldry; Hermits; Heroes; Historians; History; Humorists; Indians — Biography; Inventors; Judges; Kings and rulers; Lawyers; Librarians; Loyalists, American; Manufacturers; Mechanics (persons); Merchants; Military biography; Millionaires; Ministers of state; Musicians; Naturalists; Naval biography; Obituaries; Orators; Peerage; Pharmacists; Philanthropists; Philosophers; Physicians and surgeons; Pilgrim fathers; Popes — Biography; Portraits; Presidents; Princes and princesses; Printers; Prophets; Queens and empresses; Reformers; Regicides; Scientists; Shoemakers; Statesmen; Table-talk; Tailors; Teachers; Thieves; Travelers; Women — Biography; *also* names of countries and cities, subhead Biography — *Refer from* Contemporaries (s); Genealogy; History; Lives (s); Memoirs (s)
Biological chemistry *see* Physiological chemistry
Biological laboratories — *Refer from* Biology; Laboratories
Biology
See also Acclimatization; Adaptation (biology); Anatomy; Bacteriology; Biological laboratories; Botany; Cells; Color of animals; Color of plants; Death; Ecology; Electrophysiology; Embryology; Enzymes; Evolution; Heredity; Hermaphroditism; Hybridization; Hygiene; Irritability; Karyokinesis; Life—Origin; Longevity; Marine — *Refer from* Botany; Cells; Death; Embryology; Evolution; Heredity; Life; Life — Origin; Morphology; Natural history; Philosophy; Physiology; Protoplasm; Regeneration (biology); Reproduction; Science; Zoology

biology; Metabolism; Microscope and microscopy; Mimicry (biology); Morphology; Natural history; Parasites; Parthenogenesis; Physiology; Plankton; Protoplasm; Regeneration (biology); Reproduction; Sex; Species; Spontaneous generation; Variation (biology); Vitalism; Zoology

Biomagnetism *see* Animal magnetism

Bionomics *see* Ecology

Bioplasm *see* Protoplasm

Biplanes *see* Aeroplanes

Bird day — *Refer from* Birds; Holidays

Bird-song *see* Birds — Song

Birds

See also Bird day; Birds' eggs; Cage birds; Falconry; Feathers; Flight; Game birds; Nests; Poultry; Taxidermy; Vertebrates; Water birds; Wings; *also* names of birds, e. g. Canaries, Eagles, Ostriches, Parrots, Pigeons, Robins, Sparrows — *Refer from* Animals; Birds' eggs; Canaries; Eagles; Flight; Nature study; Nests; Ornithology (s); Ostriches; Parrots; Pigeons; Robins; Sparrows; Vertebrates; Water birds; Wings; Zoology

——Fossil — *Refer from* Paleontology

——Migration

See also Animals — Migration — *Refer from* Animals — Migration; Migration of birds (s)

——Protection

See also Audubon societies; Game laws; Game protection — *Refer from* Protection of birds (s)

——Song — *Refer from* Bird-song (s); Song of birds (s)

——Stories — *Refer from* Animals — Stories

——U. S. — *Refer from* U. S.— Birds (s); U. S.— Ornithology (s); Zoology — U. S.

——Useful and injurious — *Refer from* Agricultural pests; Agriculture: Birds and agriculture (s); Zoology, Economic

Birds and agriculture *see* Birds, Useful and injurious

Birds' eggs

See also Birds — *Refer from* Birds; Eggs; Nests; Oology (s)

Birds' nests *see* Nests

Birth rate

See also Vital statistics — *Refer from* Children; Population; Vital statistics

Birth records *see* Vital records

Birth stones — *Refer from* Charms; Natal stones (s); Precious stones

Birthday books — *Refer from* Birthdays

Birthdays

See also Anniversaries; Birthday books — *Refer from* Anniversaries; Days

Bishops

See also Apostolic succession; Archbishops; Catholic church — Clergy; Church of England — Clergy; Church polity; Episcopacy; Methodist Episcopal church — Clergy; Ordination; Protestant Episcopal church in the U. S.— Clergy — *Refer from* Apostolic succession; Archbishops; Catholic church — Biography; Catholic church — Clergy; Christian biography; Church of England — Biography; Church of England — Clergy; Episcopacy; Methodist Episcopal church; Protestant Episcopal church in the U. S.— Clergy.

Bison

See also Ungulata — *Refer from* Buffalo, American (s); Ungulata

Bites, Venomous, *see* Venom

Bitumen *see* Asphalt

Bituminous coal *see* Coal

Bivalves

See also Mollusks; Oysters — *Refer from* Acephala (s); Lamellibranchiata (s); Mollusks; Oysters

Black art *see* Witchcraft

Black death
See also London — Epidemics; Plague

Refer from Contagion and contagious diseases; England — History — Plantagenets; Epidemics; London — Epidemics; Medicine — Practice; Plague

Black Hawk war, 1832
See also Illinois — History; Indians — Wars; U. S.— History — 1815–1861

Refer from Illinois — History; Indians — Wars; U. S.— History — 1815–1861

Black lead *see* Graphite

Blackfoot Indians
See also Algonquian Indians

Refer from Algonquian Indians

Blacking

Refer from Boots and shoes; Leather

Blacklisting
See also Boycott; Employers' associations

Refer from Boycott; Employers' associations; Labor laws; Labor unions; Strikes and lockouts

Blacksmithing
See also Forging; Horseshoeing; Ironwork; Welding

Refer from Forge work (s); Forging; Horseshoeing; Industrial arts; Ironwork

Blankets
See also Indians — Industries

Refer from Indians — Industries; Textile industry and fabrics; Weaving

Blast furnaces
See also Blowing engines; Cast iron; Cupola furnaces; Slag

Refer from Blowing engines; Furnaces; Iron; Metallurgy; Slag; Smelting; Tuyeres (s)

Blasting
See also Explosives; Mines, Military; Mining engineering; Quarries and quarrying

Refer from Civil engineering; Engineering; Explosives; Mines, Military; Mining engineering; Quarries and quarrying; Stone; Tunnels

Bleaching
See also Cleaning; Drying; Dyes and dyeing

Refer from Cleaning; Dyes and dyeing; Textile industry and fabrics

Bleeding *see* Bloodletting; Hemorrhage

Blind
See also Color blindness; Defectives

Refer from Blindness (s); Defectives; Eye; Eye — Diseases and defects; Sight

——Asylums and education

Refer from Asylums; Charities; Charities, Medical; Education; Homes (institutions) (s)

——Books for the

Refer from Books for the blind (s)

Blindness *see* Blind

Blizzards *see* Storms

Block books
See also Printing; Wood engraving

Refer from Bibliography; Books; Incunabula; Printing; Wood engraving; Xylography (s)

Block signal system *see* Railroads — Signals

Blockade
See also International law; Neutrality

Refer from International law; Naval art and science; Neutrality; War

Blood
See also Arteries; Blood vessels; Bloodletting; Heart; Hemorrhage; Physiological chemistry; Physiology; Sphygmograph; Veins

Refer from Arteries; Blood vessels; Circulation of the blood (s); Hæmatology (s); Heart; Hematology (s); Pathology; Physiological chemistry; Physiology; Vascular system; Veins

Blood vessels
See also Arteries; Blood; Heart; Vascular system; Veins

Refer from Arteries; Blood; Heart; Vascular system; Veins

Bloodletting
See also Cupping

Refer from Bleeding (s); Blood; Cupping; Hemorrhage; Phlebotomy (s); Surgery; Therapeutics; Venesection (s)

Blowers *see* Fans, Mechanical

Blowing engines
See also Blast furnaces

Refer from Blast furnaces; Engines; Mechanical draft

Blowpipe
See also Assaying; Chemistry — Analysis; Mineralogy; Welding

Refer from Analysis (chemistry) (s); Assaying; Chemical apparatus; Chemistry — Analysis; Metals; Mineralogy; Welding

Blue glass cure *see* Phototherapy
Blue language *see* Bolak
Blue laws

Refer from Connecticut — Law; Law; Puritans

Blue prints
See also Photography — Printing processes

Refer from Architectural drawing; Cyanotype (s); Photography; Photography — Printing processes

Blunders
See also Anecdotes; Errors, Popular; Errors and blunders, Literary

Refer from Anecdotes; Errors, Popular; Errors and blunders, Literary; Mistakes (s)

Boarding schools *see* Private schools
Boards of health *see* Health boards
Boards of trade
See also under names of cities

Refer from Business; Chambers of commerce (s); Commerce; Trade, Boards of (s)

Boat building *see* Boats and boating; Shipbuilding; Yachts and yachting
Boating *see* Boats and boating
Boats and boating
See also Aquatic sports; Canal boats; Canoes and canoeing; Fire boats; House boats; Ice boats; Lifeboats; Motor boats; Navigation; Rowing; Sailing; Ships; Skipjacks; Steam launches; Submarine boats; Torpedo boats; Yachts and yachting

Refer from Aquatic Sports; Boat building (s); Boating (s); Canoes and canoeing; Locomotion; Navigation; Rowing; Sailing; Shipbuilding; Ships; Sports; Yachts and yachting

Body, Human, *see* Anatomy; Physiology
Body and mind *see* Mind and body
Boer war, 1899–1902, *see* South African war, 1899–1902
Boers
See also South African war, 1899–1902; Transvaal

Refer from Transvaal

Bog fuel *see* Briquets; Peat
Bogs *see* Marshes
Bohemian brethren *see* Moravians
Bohemian language
See also Slavic languages

Refer from Czechic language (s); Slavic languages

Bohemian literature
See also Slavic literature

Refer from Czechic literature (s); Slavic literature

Bohemianism

Refer from Artists; City life; Manners and customs

Bohemians in the U. S.
See also Slavs in the U. S.

Refer from Slavs in the U. S.; U. S.— Foreign population

Boiler explosions

Refer from Accidents; Boilers; Explosions

Boiler scale
See also Feed water

Refer from Boilers; Chemistry, Technical; Feed water; Pipe

Boiler tests *see* Boilers — Testing
Boilers
See also Boiler explosions; Boiler scale; Feed water; Fuel; Injectors; Safety valves; Steam; Steam engines

Refer from Feed water; Furnaces; Heating; Injectors; Mechanical engineering; Power plants, Steam; Safety valves; Steam; Steam boilers (s); Steam engines

——Marine
See also Marine engineering; Marine engines

Refer from Marine boilers (s); Marine engineering; Marine engines; Naval boilers (s); Steam navigation; Steamboats

——Testing

Refer from Boiler tests (s); Testing (s)

Boiling points
See also Chemistry, Physical; Distillation

Refer from Chemistry, Physical; Heat; Liquids; Solution (chemistry); Temperature

Bolak

Refer from Blue language (s); Language, Artificial; Langue bleue (s)

Boll weevil
See also Cotton — Diseases and pests

Refer from Cotton — Diseases and pests; Cotton-boll weevil (s); Mexican boll weevil (s); Mexican cotton-boll weevil (s); Weevils

Bolts and nuts
See also Machine design

Refer from Hardware; Machine design; Nuts (machinery) (s)

Bond servants *see* Indentured servants
Bonding companies *see* Guaranties and sureties
Bonds
See also Corporations; Debts, Public; Finance; Guaranties and sureties; Investments; Securities; Stocks

Refer from Contracts; Corporations; Finance; Guaranties and sureties; Investments; Municipal bonds (s); Municipal finance; Negotiable instruments; Securities; Stocks

Bone black *see* Animal charcoal
Bone implements
See also Indians — Implements and weapons

Refer from Implements, utensils, etc.; Indians — Implements and weapons; Tools

Bone products
See also Animal charcoal; Animal products; Glue; Phosphates

Refer from Animal charcoal; Animal products; Bones; Glue; Phosphates

Bones
See also Anatomy; Bone products; Dislocations; Fractures; Joints; Skeleton; Skull; Spine

Refer from Anatomy; Dislocations; Fractures; Osteology (s); Skeleton; Surgery

——**Diseases**

Refer from Medicine — Practice

Book auctions *see* Book prices; Booksellers and bookselling
Book clubs

Refer from Clubs; Libraries

Book collecting
See also Book rarities; Bookplates; Libraries, Private

Refer from Bibliography; Bibliomania (s); Bibliophily (s); Book rarities; Collectors and collecting; Libraries; Libraries, Private

Book covers
See also Bookbinding; Design, Decorative

Refer from Bookbinding; Cover design (s); Design, Decorative

Book dedication

Refer from Authorship; Dedication of books (s)

Book illustration *see* Illustration of books
Book-making (betting) *see* Betting; Horse racing
Book-plates *see* Bookplates
Book prices
See also Booksellers and bookselling

Refer from Book auctions (s); Book sales (s); Booksellers and bookselling; Prices

Book rarities
See also Book collecting; Incunabula

Refer from Bibliography; Bibliography — Rare books (s); Book collecting; Incunabula; Rare books (s)

Book repairing *see* Books — Repairing and preserving
Book reviews
See also Books and reading; Criticism; Literature — History and criticism

Refer from Appraisal of books (s); Books — Appraisal (s); Books and reading; Criticism; Evaluation of literature (s); Literature — History and criticism; Publishers and publishing; Reviews (s)

Book sales *see* Book prices; Booksellers and bookselling
Book shelves *see* Shelving (for books)

Book stacks *see* Shelving (for books)
Book titles *see* Titles of books
Book trade *see* Booksellers and bookselling; Publishers and publishing
Book-worms *see* Bookworms
Bookbinding
See also Book covers; Marbling

Refer from Arts and crafts; Bibliography; Binding (s); Book covers; Books; Industrial arts; Library science

Bookcases *see* Shelving (for books)
Bookkeeping
See also Accounting; Auditing; Business education; Card system in business; Cost accounting; Municipal accounts

Refer from Accounting; Arithmetic, Commercial; Auditing; Business; Business education; Commerce

Bookmaking (betting) *see* Betting; Horse racing
Bookplates

Refer from Bibliography; Book collecting; Book-plates (s); Books; Ex libris (s)

Books
See also Bibliography; Block books; Bookbinding; Bookplates; Books and reading; Booksellers and bookselling; Bookworms; Cataloging; Catalogs, Library; Chained books; Classification; Colophons; Copyright; Illumination of manuscripts and books; Illustration of books; Libraries; Literature; Manuscripts; Reference books; Printing; Prohibited books; Publishers and publishing; Shelving (for books); Textbooks; Title-pages; Titles of books; Writing; *also* headings beginning Book

Refer from Bibliography; Books and reading; Copyright; Libraries; Literature; Paleography; Printing; Publishers and publishing; Writing

——Appraisal, *see* Book reviews; Books and reading; Books and reading — Best books; Criticism; Literature — History and criticism
——**Repairing and preserving**
See also Bookworms

Refer from Book repairing (s); Bookworms

Books and reading
See also Bibliography; Book reviews; Books; Children's literature; Fiction in libraries; Libraries; Literature; Prohibited books; Reference books

Refer from Appraisal of books (s); Bibliography; Book reviews; Books; Books — Appraisal (s); Choice of books (s); Education; Evaluation of literature (s); Libraries; Literature; Reading; Self-culture

——**Best books**
See also Children's literature

Refer from Appraisal of books (s); Best books (s); Bibliography — Best books (s); Books — Appraisal (s); Evaluation of literature (s)

Books for the blind *see* Blind, Books for the
Booksellers and bookselling
See also Book prices; Catalogs, Booksellers'; Copyright; Publishers and publishing

Refer from Biography; Book auctions (s); Book prices; Book sales (s); Book trade (s); Books; Bookselling (s); Commerce; Copyright; Literature; Publishers and publishing

Booksellers' catalogs *see* Catalogs, Booksellers'
Bookselling *see* Booksellers and bookselling
Bookworms
See also Books — Repairing and preserving

Refer from Book-worms (s); Books; Books — Repairing and preserving; Insects, Injurious and beneficial

Boomerangs
Refer from Arms and armor
Boone's trail *see* Wilderness road
Boots and shoes
See also Blacking; Leather; Shoemakers

Refer from Costume; Foot; Leather; Manufactures; Shoes (s)

Bordeaux mixture
See also Fungicides; Spraying

Refer from Fungicides; Spraying

Border life *see* Frontier and pioneer life

Borders of Scotland

Refer from Scotland; Scottish borders (s); Scottish marches (s)

Boring
See also Artesian wells; Rock drills; Shaft sinking

Refer from Artesian wells; Civil engineering; Diamond drilling (s); Drilling (earth and rock) (s); Engineering; Hydraulic engineering; Mining engineering; Rock drills; Shaft sinking; Wells

Boring (metal working, etc.) *see* Drilling (perforating)

Boroughs
See also Cities; Local government; Municipal corporations; Representative government and representation; Towns

Refer from Cities; Local government; Municipal corporations; Representative government and representation; Towns

Bosjesmen *see* Bushmen

Boss rule
See also Graft; Political corruption

Refer from Bossism (s); Political bosses (s); Political corruption; Politics

Bossism *see* Boss rule

Boston massacre, 1770
See also U. S. — History — Revolution — Causes

Refer from Boston — History; Massacres; Massachusetts — History; U. S. — History — Revolution — Causes

Boston tea party, 1773
See also U. S. — History — Revolution — Causes

Refer from Boston — History; Taxation — U. S.; Tea; U. S. — History — Revolution — Causes

Botanical chemistry *see* Plants — Chemistry and nutrition

Botanical gardens
See also Gardens; Parks

Refer from Gardens; Parks

Botanical museums

Refer from Museums

Botanical nomenclature *see* Botany — Nomenclature

Botanical societies

Refer from Scientific societies; Societies

Botanists
See also Naturalists

Refer from Botany; Naturalists; Scientists

Botanizing *see* Plants — Collection and preservation

Botany [for systematic works and those dealing with botany as a science]
See also Alpine plants; Annuals (plants); Aquatic plants; Bacteriology; Biology; Botanists; Buds; Bulbs; Cells; Climbing plants; Color of flowers; Cryptogams; Desert vegetation; Evolution; Fertilization of plants; Floriculture; Flowers; Forests and forestry; Fossil plants; Fruit; Gardening; Geographical distribution of animals and plants; Hybridization; Insectivorous plants; Leaves; Medical botany; Mendel's law; Microscope and microscopy; Natural history; Nature study; Parasites; Phanerogams; Plants; Seedlings; Seeds; Shrubs; Trees; Tropical plants; Variation (biology); Vegetables; Weeds; *also* headings beginning Botanical and Plant, and names of plants, and of divisions, orders, etc., of the vegetable kingdom; *also* names of cities, subhead Botany

Refer from Annuals (plants); Biology; Buds; Cryptogams; Flora (s); Flowers; Gardening; Insectivorous plants; Leaves; Natural history; Nature; Nature study; Phanerogams; Plants; Science; Shrubs; Trees; Vegetable kingdom (s)

——Agricultural, *see* Botany, Economic
——Anatomy, *see* Botany, Structural

Botany — Continued

——**Classification**

See also Botany — Nomenclature

Refer from Classification; Plants — Classification (s)

——Ecology, *see* Ecology

——**Economic**

See also Agricultural products, and names of products; Forest products, and names of products; Grasses; Medical botany; Plants, Cultivated; Poisonous plants; Weeds

Refer from Agricultural botany (s); Agricultural products; Agriculture; Botany, Agricultural (s); Economic botany (s); Forest products; Medical botany; Plants, Useful (s)

——**Embryology**

See also Cells; Germination; Seeds

Refer from Botany — Physiology; Cells; Embryology; Plant embryology (s); Seeds

——Fossil, *see* Fossil plants

——Geographic, *see* Geographical distribution of animals and plants

——Histology, *see* Botany, Structural

——**History**

——Medical, *see* Medical botany

——Morphology, *see* Botany, Structural

——**Nomenclature**

Refer from Botanical nomenclature (s); Botany — Classification; Names; Nomenclature (s); Plant names (s); Plants — Names(s); Terminology (s)

——Organography, *see* Botany, Structural

——Pathology, *see* Plants — Diseases

——**Physiology**

See also Botany — Embryology; Botany, Structural; Climbing plants; Color of flowers; Color of plants; Fermentation; Fertilization of plants; Galls (botany); Germination; Insectivorous plants; Metabolism; Phosphorescence; Plants — Chemistry and nutrition; Plants, Effect of chemicals on; Plants — Movements; Roots

Refer from Botany, Structural; Climbing plants; Color of flowers; Color of plants; Fertilization of plants; Germination; Insectivorous plants; Metabolism; Physiological botany (s); Physiology of plants (s); Plant physiology (s); Plants — Chemistry and nutrition; Plants — Habits (s); Plants — Movements; Plants — Physiology (s); Vegetable physiology (s)

——**Structural**

See also Bark; Botany — Physiology; Cells; Flowers; Leaves; Roots; Seeds

Refer from Anatomy of plants (s); Bark; Botany — Anatomy (s); Botany — Histology (s); Botany — Morphology (s); Botany — Organography (s); Botany — Physiology; Cells; Histology; Leaves; Morphology; Morphology of plants (s); Organography (s); Plant anatomy (s); Plant morphology (s); Plants — Anatomy (s); Plants — Morphology (s); Roots; Structural botany (s); Wood

——**Study and teaching**

——**U. S.**

Refer from Natural history — U. S.; U. S. — Botany (s); U. S. — Flora (s)

Botany of the Bible *see* Bible — Natural history

Boulders

See also Drift; Glaciers; Moraines

Refer from Bowlders (s); Drift; Erratics (s); Geology; Glaciers; Moraines

Boundaries

See also Frontiers; Northeast boundary of the U. S.; Northwest boundary of the U. S.; *also* names of countries, states and cities, subhead Boundaries

Refer from Frontiers; Geography; Geography, Political (s); History; International law

Bounties

See also Subsidies

Refer from Compensation (s); Rewards (prizes, etc.); Subsidies

——**Military**

See also Recruiting and enlistment

Refer from Military art and science; Military bounties (s); Pensions; Recruiting and enlistment

Bow (music) *see* Stringed instruments; Violin

Bow and arrow
See also Archery; Arrowheads
Refer from Archery; Arms and armor; Arrowheads; Arrows (s); Bows (s)

Bowed instruments *see* Stringed instruments

Bowlders *see* Boulders

Bowling
Refer from Games; Ten pins (s); Tenpins (s)

Bows *see* Bow and arrow

Box making
Refer from Manufactures

Boxers
See also China — History; Eastern question (Far East); Missions — China
Refer from China — History; Eastern question (Far East); Missions — China; Secret societies

Boxing
Refer from Athletics; Fighting (s); Prize fighting (s); Pugilism (s); Sparring (s); Sports

Boy *see* Boys

Boy choirs *see* Choirs

Boy scouts
Refer from Boys; Boys' clubs; Scouts and scouting

Boycott
See also Blacklisting; Consumers' leagues; Labor unions; Strikes and lockouts
Refer from Blacklisting; Labor and capital; Labor laws; Labor unions; Strikes and lockouts

Boys
See also Apprentices; Boy scouts; Boys' clubs; Child labor; Children; Education; Juvenile delinquency; Newsboys; School children; Truancy; Young men; Youth
Refer from Boy (s); Children; Conduct of life; Young men; Young people (s); Youth

Boys' clubs
See also Boy scouts
Refer from Boys; Clubs; Social settlements

Bracelets
See also Jewelry
Refer from Jewelry

Brachiopoda
See also Invertebrates
Refer from Invertebrates; Marine zoology

Brachygraphy *see* Shorthand

Brahmanism
See also Buddhism; Caste; Hinduism; India — Religion; Vedanta; Vedas
Refer from Buddhism; Caste; Hinduism; India — Religion; Religions

Braidism *see* Hypnotism

Brain
See also Aphasia; Apoplexy; Dreams; Fatigue, Mental; Feeble-minded; Head; Idiocy; Insanity; Intellect; Memory; Mental diseases; Meningitis; Mind and body; Nervous system; Paralysis; Phrenology; Psychology; Psychometry; Sleep; Trephining
Refer from Head; Insanity; Intellect; Mental diseases; Mental physiology (s); Mind and body; Nervous system; Physiology; Psychology; Psychology, Physiological; Skull

Brakes
See also Air brakes; Safety devices
Refer from Air brakes; Railroads; Railroads — Equipment and supplies; Safety devices

Brandy
See also Distillation; Liquors
Refer from Alcohol; Distillation; Liquors

Brass
See also Alloys; Brasses
Refer from Alloys; Copper; Metals; Sheet-metal work; Zinc

Brass instruments *see* Wind instruments

Brasses
Refer from Archaeology; Art; Brass; Epitaphs; Inscriptions; Metal work; Monumental brasses (s); Monuments; Tombs

Bravery *see* Courage

Brazing *see* Solder and soldering

Bread
See also Baking; Cookery; Flour and flour mills
Refer from Baking; Cookery; Food

Breadstuffs *see* Grain

Breakfast foods *see* Cereals, Prepared

Breakfasts
See also Cereals, Prepared; Cookery; Menus

Refer from Cookery; Eating; Home economics; Meals (s); Menus; Table

Breakwaters
See also Civil engineering; Jetties; Piles and pile driving

Refer from Civil engineering; Engineering; Harbors; Hydraulic engineering; Jetties; Piles and pile driving

Breathing
See also Chest; Lungs; Physiology; Respiratory organs; Singing and voice culture; Voice; Yawning

Refer from Lungs; Physiology; Respiration (s); Respiratory organs; Singing and voice culture

Breeding
See also Domestic animals; Eugenics; Heredity; Hybridization; Live stock; Mendel's law; Plant breeding

Refer from Animals — Breeding (s); Cattle; Domestic animals; Heredity; Live stock; Stock breeding (s); Thremmatology (s)

Bréton club *see* Jacobins

Breviaries
See also Catholic church — Liturgy and ritual; Liturgies

Refer from Catholic church — Breviaries (s); Catholic church — Liturgy and ritual; Liturgies; Prayer books

Brewing
See also Ale; Beer; Chemistry, Technical; Enzymes; Liquors; Malt

Refer from Ale; Beer; Chemistry, Technical; Fermentation; Industrial arts; Liquor traffic; Liquors; Malt

Bribery
See also Graft; Political corruption

Refer from Crime and criminals; Elections; Graft; Political corruption; Political ethics

Bric-a-brac
See also Decoration and ornament; Pottery

Refer from Art; Decoration and ornament; House decoration; Pottery

Bricklaying
See also Masonry

Refer from Bricks; Building: Masonry

Bricks
See also Bricklaying; Building materials; Clay; Clay industries; Masonry; Pavements; Tiles

Refer from Building materials; Clay; Clay industries; Masonry; Pavements; Tiles

Bridal customs *see* Marriage customs and rites; Weddings

Bridge (game) *see* Bridge whist

Bridge whist
See also Cards; Whist

Refer from Bridge (game) (s); Cards; Whist

Bridges
See also Arches; Cables; Civil engineering; Culverts; Drawbridges; Girders; Graphic statics; Masonry; Military bridges; Strains and stresses; Trestles; Trusses; *also* names of cities, subhead Bridges

Refer from Arches; Architecture; Civil engineering; Culverts; Drawbridges; Engineering; Girders; Graphic statics; Masonry; Railroad bridges (s); Railroads; Railroads — Construction; Steel construction; Strains and stresses; Suspension bridges (s); Trestles; Trusses; Viaducts (s)

——Foundations and piers
See also Caissons; Cofferdams

Refer from Caissons; Cofferdams; Foundations; Hydraulic engineering; Piers (s)

Brigands and robbers
See also Dacoits; Outlaws; Thieves; Thugs

Refer from Banditti (s); Biography; Crime and criminals; Highwaymen (s); Kidnapping; Outlaws; Robbers (s); Thieves

Briquets
See also Fuel

Refer from Bog fuel (s); Coal; Fuel; Lignite; Peat

Briticisms

Refer from English language; English language — Dialects; Idioms, English; Slang

British in India
See also Eastern question (Central Asia); India — History

Refer from English in India (s); India — History

British literature *see* English literature; Irish literature; Scottish literature

British museum

Refer from London — Galleries and museums; London — Libraries

British poetry *see* English poetry; Irish poetry; Scottish poetry

Britons

See also Celts; Druids; England — History — To 1066

Refer from Celts; Druids; England — History — To 1066

Broadsword *see* Swords

Brokers and factors

See also Agency, Stock exchange

Refer from Agency; Agents (s); Commercial law; Factors (s); Stock exchange

Bronchitis

See also Cough; Respiratory organs — Diseases; Throat

Refer from Cold (disease); Cough; Medicine — Practice; Respiratory organs — Diseases; Throat

Bronze

See also Alloys; Bronzes; Bronzing

Refer from Alloys; Copper; Metals; Tin

Bronze age

See also Archaeology; Copper age

Refer from Archaeology; Copper age

Bronzes

Refer from Archaeology; Art; Bronze; Decoration and ornament; Metal work; Sculpture

Bronzing

See also Metal coloring

Refer from Bronze; Decoration and ornament; Metal coloring; Plating

Brooches

See also Jewelry

Refer from Jewelry

Brook Farm

Refer from Communism; Cooperation; Transcendentalism

Brook life *see* Fresh-water life

Brook trout *see* Trout

Broom drill *see* Drills and marches

Brooms and brushes

Refer from Brushes (s); Sweeping

Brotherhoods

See also Monasticism; Religious orders

Refer from Church polity; Monasticism; Religious orders

Brothers of Christ *see* Christadelphians

Brownists

See also Congregationalism; Dissenters; Pilgrim fathers

Refer from Congregationalism; Dissenters; Pilgrim fathers; Sects

Brushes *see* Brooms and brushes

Brutes *see* Animals — Treatment; Zoology

Bryology *see* Mosses

Bryophytes *see* Cryptogams; Mosses

Bryozoa *see* Polyzoa

Bubbles, Soap, *see* Soap bubbles

Bubonic plague *see* Plague

Buccaneers

See also Filibusters; Pirates

Refer from Filibusters; Freebooters (s); Naval battles; Naval history; Pirates; Voyages and travels; West Indies — History

Bucket shops *see* Speculation

Bucolic poetry *see* Pastoral poetry

Buddha *see* Buddhism

Buddhism

See also Brahmanism; Hinduism; India — Religion; Lamaism; Theosophy

Refer from Brahmanism; Buddha (s); China — Religion; Confucianism; Hinduism; India — Religion; Lamaism; Monasticism; Religions

——Esoteric, *see* Theosophy

Budget *see* names of countries and cities, subhead Finance

Buds

See also Botany

Refer from Botany; Flowers

Buffalo, American, *see* Bison

Bugle calls
See also Military music

Refer from Military art and science; Military music; Signals; Trumpet calls (s)

Bugs *see* Hemiptera; Insects
Buhlwork *see* Inlay
Building
See also Acoustics of buildings; Arches; Architecture; Bricklaying; Building materials; Building stones; Carpentry; Ceilings; Chimneys; Civil engineering; Concrete construction; Doors; Engineering; Fire escapes; Fireproof construction; Floors; Foundations; Girders; Graphic statics; Hardware; Heating; House painting; Masonry; Plaster and plastering; Plumbing; Roofs; Sanitary engineering; Scaffolding; Shoring and underpinning; Skylights; Stair building; Steel construction; Strains and stresses; Strength of materials; Trusses; Vaulting; Ventilation; Walls; Windows

Refer from Arches; Architecture; Carpentry; Civil engineering; Construction (s); Engineering; Floors; Foundations; Girders; Industrial arts; Masonry; Plaster and plastering; Roofs; Scaffolding; Shoring and underpinning; Steel construction; Strains and stresses; Strength of materials; Trusses; Walls

——**Contracts and specifications**

Refer from Building — Specifications (s); Building contracts (s); Contracts; Specifications (building) (s)

——**Estimates**
Refer from Estimates (s)

——Materials, *see* Building materials
——Specifications, *see* Building — Contracts and specifications
Building and loan associations
See also Benefit societies

Refer from Banks and banking; Benefit societies; Cooperation; Cooperative banks (s); Cooperative building associations (s); Corporations; Investments; Loan associations (s); Provident loan associations (s); Savings banks

Building contracts *see* Building — Contracts and specifications
Building laws
See also Fire escapes; Fireproof construction; Tenement houses

Refer from Fireproof construction; Hygiene, Public; Law; Municipal improvement

Building materials
See also Bricks; Building stones; Cement; Concrete; Concrete, Reinforced; Fireproof construction; Glass; Iron; Plaster and plastering; Steel; Stone; Stone, Artificial; Strength of materials; Stucco; Terra cotta; Tiles; Timber; Wood

Refer from Architecture; Bricks; Building; Building — Materials (s); Building stones; Cement; Concrete; Concrete, Reinforced; Engineering; Engineering materials (s); Strength of materials; Timber

Building stones
See also Building materials; Geology, Economic; Granite; Limestone; Marble; Masonry; Quarries and quarrying; Sandstone; Slate; Stone; Stonecutting

Refer from Building; Building materials; Geology, Economic; Granite; Limestone; Marble; Masonry; Quarries and quarrying; Sandstone; Stone; Stonecutting; Stones (s)

Buildings, Dampness in, *see* Dampness in buildings
Buildings, Portable, *see* Portable buildings
Buildings, Public, *see* Public buildings
Bulbs
See also Floriculture

Refer from Botany; Floriculture

Bulkheads
See also Shipbuilding

Refer from Shipbuilding; Steamboats

Bull fights *see* Bullfights
Bulletins, Library, *see* Library bulletins
Bullets *see* Projectiles
Bullfights
See also Mexico — Social life and customs; Spain — Social life and customs

Refer from Bull fights (s); Fighting (s); Mexico — Social life and customs; Spain — Social life and customs; Sports

Bullion *see* Coinage; Money; Precious metals

See also Popes

Bungalows

Refer from Catholic church; Papal bulls (s); Popes
Refer from Architecture, Domestic; Architecture, Rural (s); Cottages; Country houses; Rural architecture (s)

Bunker Hill, Battle of
See also U. S. — History — Revolution

Refer from U. S. — History — Revolution — Campaigns and battles

Buoys

Refer from Bell buoys (s); Harbors; Navigation

Bureaucracy

Refer from Civil service; Government

Burglary
See also Larceny

Refer from Crime and criminals; Larceny; Thieves

Burial
See also Catacombs; Cemeteries; Cremation; Embalming; Epitaphs; Funeral rites and ceremonies; Monuments; Mounds and mound builders; Mummies; Sarcophagi; Tombs; Urn burial

Refer from Archæology; Burying grounds (s); Cemeteries; Christian antiquities; Death; Funeral rites and ceremonies; Graves (s); Hygiene, Public; Interment (s); Manners and customs; Mortuary customs (s); Sepulture (s); Tombs

——Premature

Refer from Premature burial (s); Suspended animation

Buried treasure *see* Treasure-trove

Burlesques
See also Comedy; Parodies

Refer from Comedy; Humor; Parodies

Burning the dead *see* Cremation

Burns and scalds
See also First aid in illness and injury

Refer from Accidents; First aid in illness and injury; Scalds (s)

Burnt leather *see* Pyrography
Burnt wood work *see* Pyrography
Burying grounds *see* Burial; Cemeteries

Bushmen

Refer from Bosjesmen (s); Ethnology — Africa; Hottentots

Business
See also Accounting; Advertising; Auctions; Auditing; Boards of trade; Bookkeeping; Business depression; Business education; Business ethics; Card system in business; Cash registers; Commerce; Commercial law; Commercial travelers; Competition; Corporations; Credit; Department stores; Economics; Exchange; Finance; Forms (in law); Instalment plan; Joint-stock companies; Mail order business; Manufactures; Markets; Merchants; Money; Occupations; Office supplies; Panics; Peddlers and peddling; Profession, Choice of; Profit; Promoting; Prosperity; Real estate business; Salesmanship; Scientific management; Signs; Stock exchange; Success; Trust companies; Warehouses; Wealth; Window dressing

Refer from Accounting; Advertising; Commerce; Commercial law; Economics; Industrial arts; Merchants; Money; Occupations; Profession, Choice of; Salesmanship; Stores (s); Success; Trade (s); Wealth

Business arithmetic *see* Arithmetic, Commercial
Business correspondence *see* Commercial correspondence

Business depression
See also Panics

Refer from Business; Commerce; Commercial crises (s); Crises, Commercial (s); Economics; Finance; Hard times (s); Industrial depression (s); Panics; Prosperity

Business education
See also Accounting; Bookkeeping; Commercial correspondence; Commercial law; Penmanship; Shorthand; Typewriting

Refer from Bookkeeping; Business; Commercial education (s); Commercial schools (s); Education

Business ethics
See also Competition; Honesty; Honor; Wealth

Refer from Business; Commercial ethics (s); Conduct of life; Ethics; Ethics, Commercial (s); Honesty; Honor; Merchants

Business law *see* Commercial law

Busy work
See also Cardboard construction; Paper work

Refer from Children; Education, Elementary; Manual training; Seat work in schools (s); Teaching

Butchering *see* Slaughtering and slaughterhouses

Butter
See also Dairy products; Dairying; Oleomargarine

Refer from Dairy products; Dairying; Food; Milk

Butterflies
See also Caterpillars; Lepidoptera

Refer from Caterpillars; Lepidoptera

Buttons

Refer from Clothing; Manufactures

By-products *see* Waste products

Byzantine empire
See also Constantinople; Middle ages — History

Refer from Constantinople; Eastern empire (s); Greek empire (s); Middle ages — History; Rome — History — Empire; Turkey — History

Cabala
See also Occult sciences

Refer from Cabbala (s); Hebrew literature; Jewish literature; Jews — Religion; Kabala(s); Kabbala (s); Mysticism; Occult sciences; Theosophy

Cabbala *see* Cabala

Cabinet organ *see* Reed organ

Cabinet system

Refer from Constitutional history; Government; Representative government and representation

Cabinet work
See also Decoration and ornament; Furniture; Turning

Refer from Carpentry; Decoration and ornament; Furniture; Industrial arts; Woodwork

Cabins, Log, *see* Log cabins

Cable codes *see* Telegraph codes

Cable railroads
See also Mountain railroads

Refer from Cables; Mountain railroads; Railroads; Railroads, Cable (s); Street railroads

Cables
See also Cable railroads; Cableways; Chains; Electric cables; Rope; Wire

Refer from Bridges; Manufactures; Power transmission; Rope; Wire

——**Submarine**

Refer from Atlantic cable (s); Electric cables; International law; Pacific cable (s); Submarine cables (s); Submarine telegraph (s); Telegraph; Telegraph, Submarine (s)

Cableways
See also Conveying machinery; Suspended railways; Telpherage

Refer from Cables; Conveying machinery; Ropeways (s); Suspended railways; Telpherage

Cabs *see* Carriages

Caesarism *see* Despotism; Imperialism

Caesars *see* Roman emperors

Cafés *see* Restaurants

Caffres *see* Kafirs

Cage birds
See also Canaries

Refer from Birds; Canaries; Domestic animals; Pets

Caisson disease

Refer from Caissons; Compressed air; Compressed air disease (s); Occupations — Diseases and hygiene

Caissons
See also Bridges — Foundations and piers; Caisson disease; Compressed air; Foundations

Refer from Bridges — Foundations and piers; Foundations; Hydraulic engineering

Cake
See also Baking

Refer from Baking; Cookery

Calculating machines
See also Slide rule; Tabulating machines

Refer from Arithmetic; Arithmetic, Commercial; Calculation—Aids (s); Calculators (s); Machinery; Mathematical instruments; Mathematics

Calculation — Aids, *see* Calculating machines; Mathematics — Tables, etc.; Ready-reckoners

Calculators *see* Calculating machines; Ready-reckoners

Calculus
See also Algebra; Curves; Equations; Functions

Refer from Algebra; Analysis (mathematics) (s); Differential calculus (s); Fluxions (s); Functions; Infinitesimal calculus (s); Integral calculus (s); Mathematics; Variations (calculus) (s)

Calendar
See also Christian year; Chronology; Time; Year

Refer from Astronomy; Chronology; Gregorian calendar (s); Time; Year

Calendars
See also Almanacs; Daily readings; Yearbooks

Refer from Almanacs; Yearbooks

Calico printing
See also Dyes and dyeing; Textile design

Refer from Dyes and dyeing; Printing; Textile industry and fabrics

Califs *see* Caliphs

Caliphs
See also Bagdad; Mohammedanism

Refer from Califs (s); Kalifs (s); Khalifs (s); Kings and rulers; Mohammedanism; Saracens; Sovereigns (s)

Calisthenics *see* Gymnastics; Physical education

Calligraphy *see* Penmanship

Callisthenics *see* Gymnastics; Physical education

Caloric *see* Heat

Caloric engines *see* Air engines

Calorimeters and calorimetry
See also Animal heat; Heat

Refer from Fuel; Heat; Steam engines; Thermometer

Calumny *see* Libel and slander

Calvinism
See also Antinomianism; Arminianism; Congregationalism; New England — Religious history; Orthodoxy; Predestination; Presbyterianism; Puritans

Refer from Congregationalism; New England — Religious history; Orthodoxy; Predestination; Presbyterianism; Theology

Cambistry *see* Arithmetic, Commercial; Foreign exchange; Weights and measures

Cambrian period *see* Geology, Stratigraphic — Cambrian; Paleontology — Cambrian

Cameos
See also Gems

Refer from Carving (art industries); Gems; Jewelry

Cameras
See also Photography

Refer from Photography

Camisards
See also Cévennes; France — Religious history; Huguenots

Refer from Cévennes; France — Religious history; Huguenots

Camorra
See also Italy — Politics; Mafia

Refer from Crime and criminals — Italy; Italy — Politics; Mafia; Naples; Secret societies

Camp meetings

Refer from Revivals

Campagna di Roma

Refer from Italy — Description and travel; Roman Campagna (s); Rome (city)— Campagna (s)

Campaign funds

Refer from Civil service; Elections; Elections — U. S.; Political corruption; Political parties; Politics; Publicity; U. S.— Politics

Campaign literature
See also Silver (as money); Tariff question; U. S. — Politics

Refer from Political parties; Politics; U. S.— Politics

Campaign songs

Refer from Political songs (s); Songs; Songs, American [etc.]

Campaigns, Presidential, *see* Elections— U. S.; Presidents — U. S.— Election
Campanology *see* Bells
Campbellites *see* Disciples of Christ
Camping
See also Outdoor life; Tents

Refer from Amusements; Country life; Outdoor life; Sports; Tents; Vacations

Camps (military)
See also Concentration camps

Refer from Military art and science

Cams
See also Machine design

Refer from Machine design; Mechanical movements

Canada — History
———To 1763 (New France)
See also French and Indian war; French in America

Refer from French in America; New France (s)

———1763–1867
See also Canada — History — Rebellion, 1837–1838

Refer from Canada — History — Rebellion, 1837–1838

———Rebellion, 1837–1838
See also Canada — History — 1763–1867

Refer from Canada — History — 1763–1867; Canadian rebellion, 1837–1838 (s); French-Canadians

———1867–
See also Fenians (society)

Refer from Fenians (society)

Canadian literature
See also Canadian poetry

Refer from American literature; Canadian poetry; English literature; French-Canadian literature (s)

Canadian Northwest *see* Northwest, Canadian
Canadian poetry
See also Canadian literature

Refer from American poetry; Canadian literature; English poetry

Canadian rebellion, 1837–1838, *see* Canada — History — Rebellion, 1837–1838
Canadians in the U. S.

Refer from U. S.— Foreign population

Canal boats

Refer from Boats and boating; Canals

Canal locks *see* Canals — Locks
Canals
See also Aqueducts; Canal boats; Civil engineering; Embankments; Hydraulic engineering; Inland navigation; Irrigation canals; Ship canals; Waterways; *also* names of canals, e.g. Panama canal

Refer from Civil engineering; Commerce; Engineering; Hydraulic engineering; Inland navigation; Transportation; Water supply; Waterways

——Locks

Refer from Canal locks (s); Locks (canals) (s)

——U. S.
See also Waterways — U. S.

Refer from U. S.— Canals (s); Waterways — U. S.

Canaries
See also Birds; Cage birds
Cancer

Candles
Candlesticks
Candy *see* Confectionery
Caning of chairs *see* Chair caning
Canned food *see* Canning and preserving; Packing industry
Cannibalism
See also Africa — Description and travel; Polynesia
Canning and preserving
See also Cookery; Food preservation and preservatives

Cannon *see* Guns; Ordnance
Canoeing *see* Canoes and canoeing
Canoes and canoeing
See also Boats and boating

Canon (Bible) *see* Bible — Canon
Canon (music)
See also Counterpoint; Fugue; Musical form

Canon law *see* Church law
Canonization
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Canons, Apostolic, *see* Apostolic canons
Cantatas
Canteens (army)

Canterbury cathedral
See also Cathedrals — England

Canticles *see* Bible — Old Testament — Song of Solomon
Caoutchouc *see* Rubber
Cap and gown *see* Costume, Academic
Capillarity
See also Hydrostatics; Liquids; Splashes

Capital
See also Banks and banking; Capitalists and financiers; Commerce; Economics; Interest; Investments; Labor and capital; Money; Monopolies; Profit; Trusts; Wealth
Capital and labor *see* Labor and capital
Capital punishment
See also Electrocution; Executioners; Guillotine; Lynch law

Capitalists and financiers
See also Millionaires

Capitalization
See also Cataloging

Capitalization (finance) *see* Corporations; Promoting; Railroads — Finance; Securities
Caps and gowns *see* Costume, Academic

Refer from Birds; Cage birds
Refer from Carcinoma (s); Medicine — Practice; Tumors
Refer from Lighting; Manufactures
Refer from Furniture; House decoration

Refer from Anthropophagy (s); Ethnology; Food; Man; Manners and customs

Refer from Canned food (s); Cookery; Domestic arts; Food preservation and preservatives; Fruit; Industrial arts; Preserving (s)

Refer from Aquatic sports; Boats and boating; Canoeing (s); Navigation; Rowing; Sailing; Sports

Refer from Composition (music); Counterpoint; Fugue; Music — Theory; Musical form

Refer from Catholic church; Church history; Rites and ceremonies; Saints

Refer from Music; Oratorios
Refer from Army canteens (s); Liquor problem; Liquor traffic; Temperance; U. S.— Army

Refer from Canterbury, Eng.; Cathedrals — England

Refer from Hydrostatics; Liquids; Matter; Physics

Refer from Commerce; Economics; Finance; Income; Labor and capital; Money; Monopolies; Profit; Property; Trusts; Wealth

Refer from Crime and criminals; Criminal law; Death penalty (s); Ethics; Executions (s); Hanging (s); Murder; Punishment

Refer from Biography; Capital; Finance; Financiers (s); Millionaires; Wealth

Refer from Cataloging; Printing; Writing

Captivity among the Indians *see* Indians — Captivities

Capuchins
See also Franciscans; Monasticism
Refer from Franciscans; Monasticism

Car building *see* Cars

Car couplings
Refer from Cars; Couplings (s); Railroads — Equipment and supplies; Safety devices

Car heating, lighting and ventilation
Refer from Car lighting (s); Car ventilation (s); Cars; Heating; Lighting; Railroads — Equipment and supplies; Ventilation

Car lighting *see* Car heating, lighting and ventilation

Car shops *see* Railroads — Shops

Car ventilation *see* Car heating, lighting and ventilation

Car wheels
Refer from Cars; Wheels

Carbines *see* Rifles

Carbon
See also Charcoal; Chemistry, Organic; Coal; Coke; Diamonds; Electric light carbons; Graphite
Refer from Chemical elements; Chemistry, Organic

Carbonari
See also Italy — History — 1815-; Italy — Politics
Refer from Italy — History — 1815-; Italy — Politics; Secret societies

Carboniferous period *see* Geology, Stratigraphic — Carboniferous; Paleontology — Carboniferous

Carbons (electric light) *see* Electric light carbons

Carcinoma *see* Cancer; Tumors

Card catalogs *see* Catalogs, Card

Card system in business
See also Accounting; Catalogs, Card
Refer from Accounting; Bookkeeping; Business; Catalogs, Card; Drafting room practice; Indexes; Office supplies

Cardboard construction
Refer from Busy work; Kindergarten; Manual training

Cardinals
See also Catholic church — Clergy
Refer from Catholic church — Biography; Catholic church — Clergy; Christian biography; Church polity

Cards
See also Bezique; Bridge whist; Cribbage; Euchre; Fortune telling; Gambling; Games; Poker; Skat (game); Solitaire; Whist
Refer from Amusements; Bezique; Bridge whist; Cribbage; Entertaining; Euchre; Fortune telling; Gambling; Games; Playing-cards (s); Poker; Skat (game); Whist

Caricature and cartoons
See also Humor; Mimicry; Satire
Refer from Art; Cartoons (s); Drawing; Grotesque; Humor; Illustration of books; Journalism; Mimicry; Pictures; Satire

Carlists
See also Spain — History — 1700-
Refer from Spain — History — 1700-

Carmelites
Refer from Nuns; Sisterhoods

Carnations
See also Floriculture
Refer from Floriculture; Flowers

Carnivals *see* Festivals

Carnivora
See also Bears; Cats; Dogs; Foxes; Lions; Mammals; Seals (animals); Tigers; Wolves
Refer from Bears; Beasts of prey (s); Cats; Dogs; Foxes; Lions; Mammals; Seals (animals); Tigers; Wolves

Carnivorous plants *see* Insectivorous plants

Carols
See also Ballads; Songs
Refer from Christmas; Christmas carols (s); Christmas poetry; Church music; Easter; Folk songs; Music; Songs

Carpenters' square *see* Square (instrument)

Carpentry
See also Building; Cabinet work; Cars; Doors; Floors; Lathes; Moldings; Railings; Roofs; Rustic woodwork; Scaffolding; Slide rule; Square (instrument); Stair building; Tools; Turning; Wood carving; Woodwork; Woodworking machinery

Refer from Architecture; Building; Industrial arts; Joinery (s); Manual training; Tools; Woodwork

Carpetbag rule *see* Reconstruction

Carpets
See also House decoration; Linoleum; Rugs; Sweeping; Weaving

Refer from Floors; House decoration; Rugs; Textile industry and fabrics; Weaving

Carriage painting
See also Painting, Mechanical

Refer from Painting, Mechanical; Wagon painting (s)

Carriages
See also Ambulances; Automobiles; Chariots; Coaches and coaching; Omnibuses; Vehicles; Wheels

Refer from Cabs (s); Cars; Coaches and coaching; Locomotion; Manufactures; Transportation; Vehicles; Wagons; Wheels

Carrier pigeons *see* Pigeons

Carriers
See also Baggage; Bailments; Commerce; Commercial law; Communication; Demurrage; Express companies; Freight; Interstate commerce; Navigation; Negligence; Omnibuses; Postal service; Railroads; Shipping; Transportation

Refer from Bailments; Commerce; Commercial law; Common carriers (s); Communication; Demurrage; Express companies; Freight; Law; Public service corporations; Railroads; Shipping; Transportation

Cars
See also Air brakes; Automobiles; Car couplings; Car heating, lighting and ventilation; Car wheels; Carriages; Railroads — Rolling stock; Sleeping cars

Refer from Car building (s); Carpentry; Manufactures; Passenger coaches (s); Railroads; Railroads — Cars (s); Railroads — Equipment and supplies; Railroads — Rolling stock; Street cars (s); Vehicles

Cartels (economics) *see* Combination, Industrial; Trusts

Cartesian philosophy *see* Descartes, René

Carthusians
See also Monasticism

Refer from Monasticism

Cartography *see* Charts; Maps

Cartoons *see* Caricature and cartoons

Carving (art industries)
See also Arts and crafts; Bas-relief; Cameos; Glyptics; Ivory; Sculpture; Wood carving

Refer from Art; Arts and crafts; Bas-relief; Decoration and ornament; Design, Decorative; Sculpture; Wood carving

Carving (meat, etc.)
See also Cookery

Refer from Cookery; Dinners and dining; Home economics; Meat; Table

Caryokinesis *see* Karyokinesis

Cases of conscience *see* Conscience

Cash registers

Refer from Accounting; Business; Office supplies

Casks *see* Cooperage

Cast iron
See also Foundry work; Iron

Refer from Blast furnaces; Foundry work; Iron; Pig iron (s)

Castaways
See also Shipwrecks

Refer from Adventure; Crusoe stories (s); Shipwrecks

Caste
See also Brahmanism; India — Social life and customs

Refer from Brahmanism; Class distinction; Hinduism; India — Social life and customs; Manners and customs; Sociology

Casting *see* Foundry work; Plaster casts

Castles
See also Architecture; Military architecture; *also* names of castles

Refer from Archaeology; Architecture; Architecture, Medieval; Chateaux (s); Fortification; Military architecture; Palaces

Castles — Continued

——**England**

See also Warwick castle; Windsor castle

Refer from Warwick castle; Windsor castle

Casts, Plaster, *see* Plaster casts

Casuality insurance, *see* Insurance, Casualty

Casuistry *see* Conscience

Cat *see* Cats

Catabolism *see* Metabolism

Catacombs

See also Church history — Early church

Refer from Archaeology; Burial; Caves; Cemeteries; Christian antiquities; Christian art and symbolism; Church history — Early church; Tombs

Cataloging

See also Alphabeting; Capitalization; Classification; Colophons; Errors and blunders, Literary; Indexing; Library science; Titles of books

Refer from Alphabeting; Bibliography; Books; Capitalization; Catalogs; Catalogs, Card; Classification; Indexing; Library science

Catalogs

See also Bibliography; Cataloging; Indexes; *also* subjects of which catalogs are made

Refer from Bibliography; Indexes

——**Booksellers'**

Refer from Booksellers and bookselling; Booksellers' catalogs (s)

——**Card**

See also Card system in business; Cataloging; Catalogs, Library

Refer from Card catalogs (s); Card system in business; Catalogs, Library

——**Library**

See also Bibliography; Catalogs, Card

Refer from Bibliography; Books; Catalogs, Card; Finding lists (s); Libraries; Library catalogs (s)

——**Publishers'**

Refer from Publishers and publishing; Publishers' catalogs (s)

Catalysis

See also Chemistry, Physical; Colloids

Refer from Chemistry; Chemistry, Physical; Colloids; Contact action (s)

Cataracts *see* Waterfalls

Catarrh

See also Cold (disease); Hay fever; Respiratory organs — Diseases

Refer from Cold (disease); Hay fever; Medicine — Practice; Nose; Respiratory organs — Diseases

Catechisms

See also Bible — Question books; Creeds; *also* names of churches, subhead Catechisms and creeds

Refer from Bible — Catechisms (s); Bible — Question books; Creeds; Theology

Catering

See also Menus; Table

Refer from Cookery; Menus; Restaurants; Table

Caterpillars

See also Butterflies; Lepidoptera; Moths

Refer from Butterflies; Insects; Lepidoptera; Moths

Cathedrals

See also Architecture, Gothic; Church architecture; *also* names of cathedrals

Refer from Abbeys; Architecture; Architecture, Gothic; Architecture, Medieval; Catholic church; Christian art and symbolism; Church architecture; Church history; Church of England

——**England**

See also Canterbury cathedral

Refer from Canterbury cathedral

Cathode rays

See also Electric discharges through gases; Electrons; X rays

Refer from Electric discharges through gases; Electrons; Kathode rays (s); Radiation; Radioactivity; X rays

Catholic apostolic church

Refer from Irvingites (s); Sects

Catholic church

See also Abbeys; Absolution; Apostolic succession; Bulls, Papal; Canonization; Cathedrals; Celibacy; Church and state; Confession; Convents and nunneries; Episcopacy; Excommunication; Fasts and feasts; Fathers of the church; Greek church; Immaculate conception; Indulgences; Infallibility; Inquisition; Interdict; Jansenists; Jesuits; Lent; Mary, Virgin; Mass; Miracles; Modernism; Monasteries; Monasticism; Oxford movement; Penance; Persecution; Pilgrimages; Popes; Protestantism; Purgatory; Religious liberty; Religious orders; Ritualism; Rosary; Sacraments; Saints; Shrines; Sisterhoods; Transubstantiation; Ultramontanism; Vatican

Refer from Church and state; Church of England; Episcopacy; Holy See (s); Papacy (s); Popes; Protestantism; Roman Catholic church (s); Romanism (s); Sects; Ultramontanism; Vatican

——**Authority**

See also Popes — Authority and supremacy

Refer from Authority (in religion); Catholic church — Infallibility (s); Infallibility; Popes — Authority and supremacy

——**Biography**

See also Archbishops; Bishops; Cardinals; Catholic church — Clergy; Fathers of the church; Priests; Saints

——Breviaries, *see* Breviaries

——**Catechisms and creeds**

See also Apostles' creed; Athanasian creed; Nicene creed

Refer from Catholic church — Creeds (s)

——**Clergy**

See also Apostolic succession; Archbishops; Bishops; Cardinals; Catholic church — Directories; Celibacy; Episcopacy; Monasticism; Priests

Refer from Apostolic succession; Archbishops; Bishops; Cardinals; Catholic church — Biography; Catholic church — Orders (s); Priests

——Councils, *see* Councils and synods

——Creeds, *see* Catholic church — Catechisms and creeds

——**Dictionaries**

——**Directories**

Refer from Catholic church — Clergy

——**Doctrinal and controversial works**

——**Education**

See also Church and education; Church schools

Refer from Catholic church — Social relations; Church and education

——**Government**

See also Excommunication

——**History**

See also Church history; Councils and synods; Counter-reformation; Jansenists; Popes — History; Popes — Temporal power; Reformation; Schism, The great western, 1378–1417; Vatican council

Refer from Church history; Counter-reformation; Reformation; Popes — History

——Infallibility, *see* Catholic church — Authority; Popes — Infallibility

——**Liturgy and ritual**

See also Breviaries; Chants; Mass; Missals; Ritualism

Refer from Breviaries; Catholic church — Ritual (s); Liturgies; Mass; Missals; Ritualism

——**Missions**

See also Indians — Missions; Jesuits — Missions

Refer from Jesuits — Missions; Missions

——**Name**

——Orders, *see* Catholic church — Clergy; Religious orders

——**Periodicals**

——Popes, *see* Popes

——Ritual, *see* Catholic church — Liturgy and ritual

Catholic church — Continued
——**Social relations**
See also Catholic church — Education; Socialism and Catholic church
——**Statistics**
Catholic church and socialism *see* Socialism and Catholic church
Catholic church in England
See also Catholic emancipation; England — Religious history; Gunpowder plot
Catholic church in France
See also France — Religious history

Catholic emancipation
See also Catholic church in England

Catholic literature
Cats
See also Carnivora; Domestic animals

Cat's cradle *see* String figures
Cattle
See also Barns and stables; Beef; Breeding; Cowboys; Cows; Dairying; Feeding and feeding stuffs; Horns; Live stock; Oxen; Ungulata
——**Diseases**
See also Tuberculosis in animals; Veterinary medicine
——Transportation, *see* Animals— Transportation
Caucasian race
See also Aryans
Caucus
See also Elections; Nominations; Primaries
Causation
See also Metaphysics; Teleology

Cause and effect *see* Causation
Cavalry
See also Cavalry drill and tactics; Horse; Military art and science; *also* under country, e.g. U. S.— Army — Cavalry. For volunteer regiments in the U. S., *see* under name of state, e.g. New York cavalry; *also* United States volunteer cavalry, for volunteer regiments recruited at large
Cavalry drill and tactics
See also Horse; Tactics

Cave dwellers
See also Archaeology

Cave fauna
Cave men *see* Cave dwellers
Caves
See also Catacombs; Cave dwellers; Cave fauna; Chultunes
Ceilings
See also Mural painting and decoration; Plaster and plastering
Celebrations *see* Anniversaries; Festivals; Holidays; *also* names of cities, subheads Centennial celebrations, etc., and Festivals

Refer from Christian sociology

Refer from Catholic emancipation; England — Religious history

Refer from France — Religious history; Gallican church (s)

Refer from Catholic church in England; Emancipation (s); Religious liberty
Refer from Literature; Religious literature

Refer from Carnivora; Cat (s); Domestic animals; Pets

Refer from Cows; Dairying; Domestic animals; Live stock; Oxen; Ungulata

Refer from Animals — Diseases; Veterinary medicine

Refer from Aryans

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Refer from Cause and effect (s); Final cause (s); God; Metaphysics; Philosophy

Refer from Military art and science

Refer from Cavalry; Drill (military); Military art and science; Tactics

Refer from Anthropology; Archaeology; Cave men (s); Caves; Ethnology; Man — Origin and antiquity; Troglodytes (s)
Refer from Caves; Zoology

Refer from Archaeology; Grottoes (s); Physical geography; Speleology (s)

Refer from Architecture; Building; Plaster and plastering; Roofs

Celestial mechanics *see* Mechanics, Celestial

Celibacy
See also Bachelors; Monasticism; Spinsters
Refer from Catholic church; Catholic church — Clergy; Chastity; Church history; Church polity; Clergy; Marriage; Monasticism; Priests; Theology

Cell, Voltaic, *see* Electric batteries

Cello *see* Violoncello

Cells
See also Biology; Botany — Embryology; Botany, Structural; Embryology; Histology; Karyokinesis; Osmosis; Physiological chemistry; Protoplasm; Protozoa; Regeneration (biology)
Refer from Biology; Botany; Botany — Embryology; Botany, Structural; Cytology(s); Embryology; Histology; Morphology; Physiological chemistry; Protoplasm; Regeneration (biology); Zoology

Celluloid
See also Cellulose; Guncotton
Refer from Cellulose; Chemistry, Technical; Guncotton

Cellulose
See also Celluloid; Guncotton; Paper; Wood pulp
Refer from Celluloid; Chemistry, Technical; Guncotton; Paper; Plants — Chemistry and nutrition; Wood pulp

Celtic folklore *see* Folklore, Celtic

Celtic languages
See also Aryan languages; Cornish language; Gaelic language; Irish language; Welsh language
Refer from Aryan languages; Cornish language; Gaelic language; Irish language; Keltic languages (s); Welsh language

Celtic legends *see* Legends, Celtic

Celtic literature
See also Bards; Gaelic literature; Irish literature (Celtic); Welsh literature
Refer from Bards; Gadhelic literature (s); Gaelic literature; Irish literature (Celtic); Keltic literature (s); Literature; Welsh literature

Celtic mythology *see* Mythology, Celtic

Celts
See also Aryans; Britons; Druids; Folklore, Celtic; Gauls; Legends, Celtic; Picts
Refer from Aryans; Britons; Druids; Gaels (s); Gauls; Kelts (s); Picts

Cement
See also Adhesives; Building materials; Concrete; Geology, Economic; Glue; Lime; Pavements; Stucco
Refer from Adhesives; Building materials; Chemistry, Technical; Concrete; Geology, Economic; Hydraulic cement (s); Lime; Masonry; Mortar (s); Portland cement (s); Slag; Stucco

Cemeteries
See also Burial; Catacombs; Eminent domain; Epitaphs; Landscape gardening; Tombs; *also* names of cities, subhead Cemeteries
Refer from Archaeology; Burial; Burying grounds (s); Churchyards (s); Eminent domain; Graves (s); Graveyards (s); Hygiene, Public; Landscape gardening; Municipal improvement; Sanitation; Tombs

——National
Refer from National cemeteries (s)

Cenozoic era *see* Geology, Stratigraphic — Cenozoic; Paleontology — Cenozoic

Censorship of the press *see* Liberty of the press; Prohibited books

Census
See also Statistics; Tabulating machines; Vital statistics; *also* names of countries, and cities, subhead Census
Refer from Population; Statistics; Vital statistics

Centenarians *see* Longevity

Centennials *see* names of cities, subhead Centennial celebrations, etc.

Central power stations *see* Power plants

Central states *see* Middle states

Centralization of schools *see* Schools — Centralization

Centrifugal fans *see* Fans, Mechanical

Centrifugal force
See also Gravitation
Refer from Force and energy

Cephalopoda
See also Mollusks — *Refer from* Mollusks
Ceramics *see* Pottery
Cereal foods *see* Cereals, Prepared
Cereals *see* Cereals, Prepared; Grain
Cereals, Prepared — *Refer from* Breakfast foods (s); Breakfasts; Cereal foods (s); Cereals (s); Cookery; Food; Prepared cereals (s)

Cerebral hemorrhage *see* Apoplexy
Cerebrospinal meningitis *see* Meningitis
Ceremonies *see* Etiquet; Manners and customs; Rites and ceremonies
Certainty
See also Belief; Faith; Probabilities; Truth — *Refer from* Belief; Conviction (s); Evidence; Faith; Intellect; Logic; Philosophy; Truth
Certificates, Teachers', *see* Teachers — Examinations and certificates
Cervidae *see* Deer
Cetacea
See also Mammals; Whales — *Refer from* Mammals; Marine zoology; Whales

Chafing dish — *Refer from* Cookery
Chain belting *see* Belting
Chained books — *Refer from* Books
Chains
See also Machine design — *Refer from* Cables; Machine design; Manufactures

Chair caning — *Refer from* Caning of chairs (s); Chairs; Industrial arts

Chairs
See also Chair caning; Furniture — *Refer from* Furniture
Chalcography *see* Engraving
Chalk
See also Limestone — *Refer from* Geology, Economic; Limestone
Chalk talks — *Refer from* Drawing; Lectures and lecturing
Challenger expedition, 1872–1876 — *Refer from* Scientific expeditions
Chamber music — *Refer from* Instrumental music; Music
Chambers of commerce *see* Boards of trade
Chance
See also Probabilities — *Refer from* Fortune (s); Luck (s); Philosophy; Probabilities

Chancellors, Lord — *Refer from* Biography; Judges; Lawyers; Lord chancellors (s); Ministers of state

Chancery
See also Equity — *Refer from* Courts; Equity; Law; Pleading and practice

Chanteys *see* Sailors' songs
Chanties *see* Sailors' songs
Chanting
See also Chants; Singing and voice culture — *Refer from* Chants; Singing and voice culture
Chants
See also Anthems; Chanting; Choral music; Church music; Hymns — *Refer from* Anthems; Catholic church — Liturgy and ritual; Chanting; Choral music; Church music; Gregorian chant (s); Gregorian music (s); Music; Plain chant (s); Plain song (s); Plainsong (s)

Chap-books *see* Chapbooks
Chapbooks
See also Ballads — *Refer from* Ballads; Chap-books (s); Folklore; Literature; Periodicals

Chapels
See also Church architecture — *Refer from* Church architecture
Character
See also Christian life and character; Conduct of life, and references under that subject; Ethics; Graphology; Ideals; In- — *Refer from* Christian life and character; Conduct of life; Ethics; Moral education; Psychology; Temperament

dividuality; National characteristics; Palmistry; Personality; Phrenology; Physiognomy; Temperament

Character reading *see* Fortune telling; Graphology; Palmistry; Phrenology; Physiognomy; Psychometry (character reading, etc.)

Characteristics, National, *see* National characteristics

Charades
See also Amateur theatricals; Puzzles

Refer from Amateur theatricals; Amusements; Drama; Puzzles; Riddles

Charcoal
See also Animal charcoal

Refer from Carbon; Fuel

Charcoal drawing

Refer from Drawing

Chariots

Refer from Archaeology; Carriages; Military art and science; Vehicles

Charitable societies
See also Charities; Charity organization; Humane societies

Refer from Benevolent societies (s); Charities; Charity organization; Humane societies; Philanthropy; Societies

Charities
See also Almshouses; Asylums; Blind — Asylums and education; Charitable societies; Charity organization; Charity schools; Children — Charities, protection, etc.; City missions; Crèches; Deaf and dumb — Asylums and education; Dispensaries; Farm colonies; Flower missions; Fresh air charity; Friendly visiting; Hospitals; Insane hospitals; Jews — Charities; Mortmain; Nurses and nursing; Orphans and orphan asylums; Outdoor relief; Philanthropy; Poor; Poor laws; Ragged schools; Salvation army; Sisterhoods; Sisters of charity; Social settlements; Social work; Vacant lot cultivation; *also* names of cities, subheads Charities and Poor

Refer from Almshouses; Asylums; Charitable socieites; Charity; Charity organization; Dependent classes (s); Economics; Friendly visiting; Gifts; Homes (institutions) (s); Hospitals; Institutions, Charitable and philanthropic (s); Outdoor relief; Philanthropy; Poor; Public institutions (s); Reform; Relief work (s); Social problems; Social work; Sociology

——Medical
See also Blind — Asylums and education; Deaf and dumb — Asylums and education; Dispensaries; Hospitals; Inebriate asylums; Insane hospitals; Missions, Medical

Refer from Dispensaries; Medical charities (s); Medicine

——U. S.
See also U. S. — Hospitals and asylums

Refer from U.S. — Charities (s)

Charity
See also Altruism; Charities; Friendly visiting; Kindness; Love

Refer from Almsgiving (s); Begging; Benevolence (s); Conduct of life; Ethics; Giving (s); Love, Philanthropy

Charity, Sisters of, *see* Sisters of charity

Charity organization
See also Charitable societies; Charities

Refer from Associated charities (s); Charitable societies; Charities; Organized charity (s)

Charity schools
See also Orphans and orphan asylums; Ragged schools

Refer from Charities; Children — Charities, protection, etc.; Education; Free schools (s); Orphans and orphan asylums; Schools

Charlatanry *see* Quacks and quackery

Charlemagne — Romances

Refer from French literature; Middle ages — Literature; Romances

Charms
See also Amulets; Birth stones; Swastika; Witchcraft

Refer from Amulets; Demonology; Evil eye; Folklore; Superstition; Talismans (s); Witchcraft

Charters
See also Archives; Corporations; Magna charta; Municipal franchises; *also* names of colonies, states, cities, etc., subhead Charters

Refer from Archives; Deeds; Documents (s); Government; History — Sources; Law; Manuscripts; Municipal charters (s); Municipal government; Paleography

Chartism

Refer from England — History — Victorian period; Labor and laboring classes — England

Chartography *see* Charts; Maps
Charts
See also Maps

Refer from Cartography (s); Chartography (s); Hydrography; Maps

Chase, The, *see* Hunting
Chastity
See also Celibacy

Refer from Ethics; Marriage; Purity (s); Sexual ethics; Virtue; Women

Chateaux *see* Castles
Chattel mortgages *see* Mortgages
Chattels *see* Personal property; Property
Checkers

Refer from Draughts (s); Games

Checkreins
See also Harness

Refer from Animals — Treatment; Bearing reins (s); Driving; Harness; Horse

Checks
See also Banks and banking

Refer from Banks and banking; Money

Cheerfulness
See also Happiness; Optimism

Refer from Conduct of life; Contentment; Ethics; Gladness (s); Happiness; Optimism

Cheese
See also Dairy bacteriology; Dairy products; Dairying

Refer from Dairy bacteriology; Dairy products; Dairying; Milk

Cheirognomy *see* Palmistry
Cheiromancy *see* Palmistry
Cheiroptera *see* Bats
Cheirosophy *see* Palmistry
Chemical affinity
See also Chemical reaction

Refer from Affinity, Chemical (s); Chemical reaction; Chemistry, Physical

Chemical analysis *see* Chemistry — Analysis; *also* subhead Analysis under special subjects, e.g. Water — Analysis
Chemical apparatus
See also Blowpipe; Chemistry — Laboratory manuals

Refer from Chemical instruments (s); Chemistry — Apparatus (s); Chemistry — Laboratory manuals; Scientific apparatus and instruments

Chemical effects of light *see* Photochemistry
Chemical elements
See also Atomic weights; Metals; Periodic law; Valency; *also* names of elements, e.g. Argon, Arsenic, Carbon, Helium, Nitrogen, Oxygen, Radium, Sulphur

Refer from Elements, Chemical (s)

Chemical engineering
See also Chemistry, Technical; Drying; Metallurgy; Waste products

Refer from Chemistry, Technical; Engineering; Engineering, Chemical (s); Industrial arts; Industrial chemistry (s); Metallurgy

Chemical geology *see* Geochemistry; Geology, Economic; Mineralogy; Rocks
Chemical industries *see* Chemistry, Technical
Chemical instruments *see* Chemical apparatus
Chemical reaction
See also Chemical affinity; Reagents

Refer from Chemical affinity; Chemistry, Physical; Reaction, Chemical (s); Reagents

Chemical reagents *see* Reagents
Chemical societies

Refer from Scientific societies

Chemical technology *see* Chemistry, Technical

Chemistry

See also Acids; Agricultural chemistry; Air; Alchemy; Alkalies; Assaying; Atomic theory; Atomic weights; Atoms; Catalysis; Color; Combustion; Condensation; Crystallography; Dissociation; Electrochemistry; Evaporation; Fermentation; Fire; Gases; Geochemistry; Ions; Metallurgy; Microchemistry; Mineralogy; Molecules; Periodic law; Pharmacy; Photochemistry; Photographic chemistry; Physics; Physiological chemistry; Plants — Chemistry and nutrition; Poisons; Radioactivity; Reagents; Receipts; Salts; Sanitary chemistry; Solution (chemistry); Spectrum analysis; Stereochemistry; *also* headings beginning Chemical, and names of chemical elements and substances

Refer from Acids; Atoms; Gases; Molecules; Natural history; Physics; Salts; Science; Solution (chemistry)

——Agricultural, *see* Agricultural chemistry

——**Analysis**

See also Adulterations; Assaying; Blowpipe; Electrolysis; Eudiometer; Microchemistry; Mineralogy; *also* names of substances analyzed

Refer from Adulterations; Analysis (chemistry) (s); Analytical chemistry (s); Blowpipe; Chemical analysis (s); Qualitative analysis (s); Quantitative analysis (s); Titration (s); Volumetric analysis (s)

——Animal, *see* Physiological chemistry

——Apparatus, *see* Chemical apparatus

——Biological, *see* Physiological chemistry

——Botanical, *see* Plants — Chemistry and nutrition

——Dairy, *see* Agricultural chemistry; Dairy bacteriology

——Domestic, *see* Chemistry, Household

——Experimental, *see* Chemistry — Laboratory manuals

——Forensic, *see* Chemistry, Legal

——**History**

See also Alchemy; Atomic theory; Chemists

Refer from Alchemy; Atomic theory; Chemists

——**Household**

See also Cleaning; Cookery; Food — Analysis; Food adulteration and inspection; Sanitary chemistry; Sanitation, Household

Refer from Chemistry, Domestic (s); Food adulteration and inspection; Home economics; Household chemistry (s); Sanitary chemistry; Sanitation, Household

——Industrial, *see* Chemistry, Technical

——**Inorganic**

See also Alkalies; Ammonia; Metals; Mineralogy; Rare earths

Refer from Alkalies; Inorganic chemistry (s); Metals; Rare earths

——**Laboratory manuals**

See also Chemical apparatus

Refer from Chemical apparatus; Chemistry, Experimental (s); Experimental chemistry (s); Experiments (s)

——**Legal**

See also Medical jurisprudence; Poisons

Refer from Chemistry, Forensic (s); Forensic chemistry (s); Legal chemistry (s); Medical jurisprudence; Physiological chemistry; Poisons

——Mathematical, *see* Chemistry, Physical

——Medical, *see* Pharmacy; Physiological chemistry

——**Organic**

See also Alcohol; Alkaloids; Carbon; Coal; Essences and essential oils; Fermentation; Gas; Physiological chemistry; Plants — Chemistry and nutrition; Proteins

Refer from Alcohol; Alkaloids; Carbon; Fermentation; Organic chemistry (s); Proteins

Chemistry — Continued
——Pathological, *see* Physiological chemistry
——Pharmaceutical, *see* Pharmacy
——Photographic, *see* Photographic chemistry
——**Physical**
See also Atomic theory; Atomic weights; Atoms; Boiling points; Catalysis; Chemical affinity; Chemical reaction; Colloids; Crystallography; Dissociation; Electrochemistry; Electrolysis; Ions; Isomerism; Liquefaction of gases; Liquid air; Melting points; Molecules; Osmosis; Periodic law; Photochemistry; Physics; Radioactivity; Solution (chemistry); Stereochemistry; Thermodynamics; Valency

Refer from Atomic theory; Atomic weights; Atoms; Boiling points; Catalysis; Chemistry, Mathematical (s); Colloids; Dissociation; Electrochemistry; Electrolysis; Liquefaction of gases; Liquid air; Molecules; Osmosis; Periodic law; Photochemistry; Physical chemistry (s); Physics; Solution (chemistry); Stereochemistry; Thermochemistry (s)

——Physiological, *see* Physiological chemistry
——Sanitary, *see* Sanitary chemistry
——**Technical**
See also Acetylene; Adulterations; Alcohol, Denatured; Ammonia; Animal products; Baking powder; Boiler scale; Brewing; Celluloid; Cellulose; Cement; Chemical engineering; Clay industries; Coal-tar colors; Coal-tar products; Corrosion and anti-corrosives; Distillation; Dyes and dyeing; Electrochemistry; Essences and essential oils; Explosives; Fermentation; Fireworks; Fuel; Gas; Glass manufacture; Glucose; Glue; Gums and resins; Gunpowder; Gutta-percha; Industrial arts; Ink; Leather; Matches; Metallurgy; Oils and fats; Paint; Paper; Perfumery; Petroleum; Receipts; Rubber; Soap; Sugar; Textile industry and fabrics; Varnish and varnishing; Waste products; Wood distillation

Refer from Adulterations; Animal products; Brewing; Chemical engineering; Chemical industries (s); Chemical technology (s); Chemistry, Industrial (s); Clay industries; Coal-tar colors; Coal-tar products; Distillation; Dyes and dyeing; Essences and essential oils; Explosives; Fermentation; Gas; Glass manufacture; Glucose; Gums and resins; Industrial arts; Industrial chemistry (s); Leather; Manufactures; Metallurgy; Oils and fats; Paint; Perfumery; Soap; Sugar; Technical chemistry (s); Technology; Textile industry and fabrics

Chemists
See also Chemistry — History; Pharmacists

Refer from Chemistry — History; Pharmacists; Scientists

Chess

Refer from Games

Chest
See also Anatomy; Auscultation; Heart; Lungs; Respiratory organs

Refer from Anatomy; Breathing

Chickens *see* Poultry

Chief justices
See also Judges

Refer from Biography; Judges; Justices (s); Lawyers

Child labor
See also Apprentices; Compulsory education; Factory system; Hours of labor; Newsboys; Sweating system

Refer from Boys; Children; Children — Charities, protection, etc.; Children — Employment (s); Children — Law; Compulsory education; Factory laws; Factory system; Girls; Hours of labor; Labor and laboring classes; Social problems; Sweating system

Child life
See also Children in Japan [and in other countries]

Refer from Childhood (s); Children

Child saving *see* Children — Charities, protection, etc.

Child study
See also Children; Kindergarten; Libraries, Children's; Mothers' clubs; Play; Psychology, Educational; Youth

Refer from Children; Education; Kindergarten; Mothers' clubs; Psychology; Psychology, Educational; School children; Teaching

Childhood *see* Child life; Children

Children
See also Adoption; Birth rate; Boys; Busy work; Child labor; Child life; Child

Refer from Boys; Child study; Childhood (s); Conduct of life; Education; Family;

Children—Continued
study; Education, Elementary; Eugenics; Family; Fathers; Foundlings; Girls; Heredity; Home; Home education; Illegitimacy; Infants; Juvenile delinquency; Kindergarten; Libraries, Children's; Mothers; Orphans and orphan asylums; Parents; Play; Playgrounds; Precocity; Prenatal influences; School children; Sunday schools; Twins; Youth; *also* headings beginning Children, Children's

——**Abnormal and backward**
See also Auxiliary schools; Defectives; Feeble-minded; Idiocy

Refer from Abnormal children (s); Auxiliary schools; Backward children (s); Children, Backward (s); Defectives; Education, Elementary; Feeble-minded; Idiocy; Juvenile delinquency; Mentally deficient children (s); School children

——**Anecdotes and sayings**

Refer from Anecdotes; Children's sayings (s)

——Backward, *see* Children, Abnormal and backward

——**Care and hygiene**
See also Children — Diseases; Children — Management; Infants — Care and hygiene; Medical inspection of schools; Nurses and nursing; School hygiene; School lunches

Refer from Children — Health (s); Children — Diseases; Diet; Hygiene; Infants — Care and hygiene; Nurses and nursing; Pediatrics (s)

——**Charities, protection, etc.**
See also Charity schools; Child labor; Crèches; Foundlings; Fresh air charity; Humane societies; Orphans and orphan asylums; Playgrounds

Refer from Charities; Child saving (s); Dependent children (s); Foundlings; Humane societies; Orphans and orphan asylums; Poor

——**Diseases**
See also Children — Care and hygiene; Cholera infantum; Croup; Diphtheria; Diseases (s); Measles; Scarlet fever

Refer from Children — Care and hygiene; Children's diseases (s); Infants — Diseases (s); Medicine — Practice; Pediatrics (s)

——Education, *see* Education, Elementary; Home education; Kindergarten; *also* headings beginning School

——Employment, *see* Child labor

——Health, *see* Children — Care and hygiene

——**Law**
See also Child labor; Curfew law; Factory laws; Juvenile courts; Juvenile delinquency; Labor laws

——**Management**
See also Corporal punishment; Moral education

Refer from Children — Care and hygiene; Children — Training (s); Home training (s); Management of children (s); Moral education

——Training, *see* Children — Management

Children in art *see* Children in literature and art

Children in Japan
See also Japan — Social life and customs

Refer from Child life; Japan — Social life and customs

Children in literature and art
See also Children in poetry

Refer from Art; Children in art (s); Children in poetry; Literature

Children in poetry
See also Children in literature and art

Refer from Children in literature and art; Poetry; Poetry of childhood (s)

Children's books *see* Children's literature

Children's courts *see* Juvenile courts

Children's crusade, 1212
See also Crusades — *Refer from* Crusades

Children's diseases *see* Children — Diseases

Children's libraries *see* Libraries, Children's

Children's literature
See also Children's poetry; Fairy tales; Fiction in libraries; Kindergarten — Stories; Libraries, Children's; Libraries and schools; Picture books; School libraries; Sunday school libraries — *Refer from* Books and reading; Books and reading — Best books; Children's books (s); Children's poetry; Fiction in libraries; Juvenile literature (s); Libraries, Children's; Libraries and schools; Literature; Schools and libraries (s); Stories (s)

Children's parties — *Refer from* Entertaining; Parties (s)

Children's periodicals — *Refer from* Periodicals

Children's poetry
See also Children's literature; Children's songs; Nursery rhymes — *Refer from* Children's literature; Nursery rhymes; Poetry; Poetry of childhood (s)

Children's sayings *see* Children — Anecdotes and sayings

Children's sermons — *Refer from* Sermons

Children's songs
See also Kindergarten — Games and songs; Nursery rhymes — *Refer from* Children's poetry; Songs

Chills and fever *see* Malaria

Chimes and chiming
See also Bells — *Refer from* Bells; Chiming (s); Church music; Ringing (s)

Chiming *see* Chimes and chiming

Chimney sweeping — *Refer from* Chimneys; Sweeping

Chimneys
See also Chimney sweeping; Fireplaces; Heating; Smoke; Ventilation — *Refer from* Architecture; Building; Fireplaces; Fires; Heating; Ventilation

China (porcelain) *see* Pottery

China painting
See also Arts and crafts; Pottery — *Refer from* Arts and crafts; Decoration and ornament; Painting; Pottery

Chinaware *see* Pottery

Chinch bugs
See also Hemiptera — *Refer from* Hemiptera; Insects, Injurious and beneficial

Chinese immigration *see* Chinese in the U. S. [and in other countries]

Chinese in the U. S. — *Refer from* Chinese immigration (s); Chinese question (s); Race problems — U. S.; U. S. — Foreign population; U. S. — Foreign relations — China

Chinese-Japanese war, 1894–1895
See also China — History; Japan — History — *Refer from* China — History; Eastern question (Far East); Japan — History

Chinese language
See also Oriental languages — *Refer from* Oriental languages

Chinese literature
See also Oriental literature — *Refer from* Oriental literature

Chinese philosophy *see* Philosophy, Chinese

Chinese question *see* Eastern question (Far East); China — Foreign relations; China — History; Chinese in the U. S.

Chinese scale *see* San José scale

Chinese shadows *see* Shadow pantomimes

Chinook jargon — *Refer from* Indians — Languages

Chirognomy *see* Palmistry

Chirography *see* Penmanship; Writing

Chiromancy *see* Palmistry

Chiropody — *Refer from* Foot

Chiroptera *see* Bats

Chirosophy *see* Palmistry

Chivalry
See also Arthurian romances; Civilization, Medieval; Crusades; Courts of love; Feudalism; Heraldry; Honor; Knights and knighthood; Malta, Knights of; Middle ages; Romances; Templars; Teutonic knights; Tournaments

Refer from Civilization, Medieval; Crusades; Feudalism; Heraldry; Knight-errantry (s); Knights and knighthood; Middle ages; Middle ages — Social life and customs; Religious orders; Templars; Tournaments

Chloroform
See also Anesthetics

Refer from Anesthetics

Chocolate
See also Beverages; Cocoa

Refer from Beverages; Cocoa; Confectionery; Food

Choice of books *see* Books and reading
Choice of profession *see* Profession, Choice of

Choirs
See also Church music; Conducting (music); Singing and voice culture

Refer from Boy choirs (s); Church music; Conducting (music); Music; Singing and voice culture

Cholera, Asiatic

Refer from Asiatic cholera (s); Contagion and contagious diseases; Epidemics; Medicine — Practice; Tropics — Diseases and hygiene

Cholera infantum

Refer from Children — Diseases

Choral music
See also Chants; Church music. For scores *see* Choruses and part songs

Refer from Chants; Church music; Music; Vocal music (s)

Choral societies
See also Musical societies

Refer from Musical societies; Singing and voice culture; Singing societies (s)

Choruses and part songs
See also Anthems; Glees

Refer from Choral music; Glees; Music — Scores; Part songs (s); Quartets, Vocal (s); Songs

Chouans
See also Vendean war

Refer from French revolution; Vendean war

Christ *see* Jesus Christ

Christadelphians

Refer from Brothers of Christ (s); Millennium; Second advent; Sects

Christendom *see* Christianity; Church history; History
Christening *see* Baptism

Christian antiquities
See also Architecture, Gothic; Baptism; Bible — Antiquities; Burial; Catacombs; Christian art and symbolism; Church architecture; Church furniture; Church vestments; Fasts and feasts; Funeral rites and ceremonies; Lord's supper; Marriage; Relics; Rites and ceremonies; Shrines; Tombs

Refer from Archaeology; Bible — Antiquities; Christian art and symbolism; Church antiquities (s); Church ceremonies (s); Church polity; Ecclesiastical antiquities (s); Rites and ceremonies

Christian art and symbolism
See also Art; Bible — Pictorial illustrations; Catacombs; Cathedrals; Christian antiquities; Church architecture; Church decoration and ornament; Church furniture; Church vestments; Cross; Emblems; Jesus Christ in art; Madonnas; Rites and ceremonies; Saints in art; Sarcophagi

Refer from Archaeology; Architecture; Art; Art, Christian (s); Christian antiquities; Christian symbolism (s); Church architecture; Church decoration and ornament; Cross; Ecclesiastical art (s); Emblems; Iconography (s); Jesus Christ in art; Madonnas; Painting; Religious art (s); Sacred art (s); Saints in art; Symbolism

Christian biography
See also Apostles; Apostolic fathers; Archbishops; Bishops; Cardinals; Clergy — Biography; Fathers of the church; Hermits; Martyrs; Missionaries; Monasticism; Pilgrim fathers; Popes — Biography; Preachers; Puritans; Reformers; Saints; *also* names of churches, subhead Biography

Refer from Biography; Church biography (s); Ecclesiastical biography (s); Martyrs; Missionaries; Religious biography (s)

Christian character *see* Christian life and character
Christian church (Disciples) *see* Disciples of Christ
Christian doctrine *see* Theology
Christian education *see* Religious education

Christian era
Refer from Chronology

Christian ethics
See also Christian life and character; Conscience; Ethics; Sin; Social ethics
Refer from Christian life and character; Conscience; Ethics; Ethics, Christian (s); Sin; Social ethics

Christian evidences *see* Christianity — Evidences

Christian life and character
See also Character; Christian ethics; Christian work; Conduct of life; Conversion; Devotional exercises; Faith; Goodness; Monasticism; Prayer; Religious education; Revivals; Sanctification; Spiritual life
Refer from Character; Christian character (s); Christian ethics; Christianity, Practical (s); Conduct of life; Conversion; Ethics; Life; Personal religion (s); Practical theology (s); Religion, Personal (s); Religious experience (s); Sanctification; Spiritual life; Theology, Practical (s)

Christian names *see* Names, Personal
Christian perfection *see* Sanctification

Christian science
See also Mental healing
Refer from Absent treatment (s); Faith cure; Mental healing; Mind and body; Sects; Suggestive therapeutics; Therapeutics

Christian socialism
See also Christian sociology
Refer from Christian sociology; Church and social problems (s); Socialism; Socialism, Christian (s); Sociology

Christian sociology
See also Catholic church — Social relations; Christian socialism; Christian work; Church; Church and education; Church work; Institutional churches; Social ethics; Social problems; Social work
Refer from Christian socialism; Christian work; Christianity, Practical (s); Christianity and social problems (s); Church; Church and social problems (s); Church work; Religion and sociology (s); Social ethics; Social problems; Social work; Sociology; Sociology, Christian (s)

Christian symbolism *see* Christian art and symbolism

Christian union
See also Evangelical alliance
Refer from Church; Church polity; Church unity (s); Sects; Union, Christian (s)

Christian work
See also Christian sociology; Church work
Refer from Christian life and character; Christian sociology; Church work

Christian year
See also Advent; Ash Wednesday; Christmas; Easter; Fasts and feasts; Good Friday; Holidays; Holy week; Lent
Refer from Advent; Calendar; Church calendar (s); Church of England; Church year (s); Fasts and feasts; Holy week; Lent; Protestant Episcopal church in the U. S.

Christianity
See also Apostles; Bible; Christianity and other religions; Church; Church history, and other headings beginning Church; Civilization, Christian; Deism; God; Jesus Christ; Miracles; Missions; Protestantism; Reformation; Religion; Sects; Socialism and Christianity; Theism; Theology; *also* headings beginning Christian, and names of Christian churches and sects
Refer from Bible; Christendom (s); Church; Church history; Deism; God; Jesus Christ; Natural religion; Philosophy; Religion; Religions; Revelation; Sociology; Theism; Theology

Christianity — Continued
——**Evidences**
See also Bible — Evidences and authority; Miracles; Religion and science

Refer from Apologetics (s); Bible — Evidences and authority; Christian evidences (s); Evidences of Christianity (s); Miracles; Religion

——History, *see* Church history
——Origin, *see* Church history — Early church
——Practical, *see* Christian life and character; Christian sociology
——Primitive, *see* Church history — Early church
Christianity and other religions

Refer from Christianity; Religions

Christianity and science *see* Religion and science
Christianity and social problems *see* Christian sociology
Christianity and socialism *see* Socialism and Christianity
Christmas
See also Carols; Church decoration and ornament; Holidays; Jesus Christ — Birth; Magi; Santa Claus; *also* headings beginning Christmas

Refer from Advent; Christian year; Fasts and feasts; Holidays; Jesus Christ — Birth; Santa Claus

Christmas carols *see* Carols
Christmas entertainments

Refer from Entertainments; Sunday school entertainments

Christmas gifts

Refer from Gifts

Christmas plays

Refer from Drama

Christmas poetry
See also Carols

Refer from Poetry; Recitations and readings

Christmas stories
Christology *see* Jesus Christ
Chromatics *see* Color
Chromolithography
See also Color printing; Color prints; Lithography

Refer from Color; Color printing; Lithography

Chromophotography *see* Color photography
Chromosomes *see* Karyokinesis
Chronograph
See also Astronomical instruments; Photochronograph

Refer from Astronomical instruments; Time

Chronology
See also Almanacs; Calendar; Christian era; Time; Year

Refer from Almanacs; Astronomy; Calendar; Time; Year

——Biblical, *see* Bible — Chronology
——**Historical**
See also Bible — Chronology; History; *also* names of countries, subhead History — Chronology

Refer from Annals (s); Dates (s); History

Chronophotography *see* Moving pictures
Chultunes

Refer from Caves; Yucatan

Church
See also Christian sociology; Christian union; Christianity; Institutional churches; *also* headings beginning Church, and names of churches and sects

Refer from Christian sociology; Christianity; Theology

——Institutional, *see* Institutional churches
Church accounts *see* Church finance
Church and education
See also Bible in the schools; Catholic church — Education; Church schools; Public schools and religion; Religious education; Theology — Study and teaching

Refer from Bible in the schools; Catholic church — Education; Christian sociology; Church and state; Church schools; Denominational schools (s); Education; Education and church (s); Religion and education (s); Religious education

Church and healing *see* Emmanuel movement; Medicine and religion

Church and social problems *see* Christian socialism; Christian sociology; Church work

Church and state

See also Asylum, Right of; Catholic church; Church and education; Church history; Church of England — Establishment; Church polity; Church property; Liberty of conscience; Popes — Temporal power; Religious liberty; Socialism and Catholic church; Socialism and Christianity; Taxation, Exemption from

Refer from Catholic church; Church history; Church of England — Establishment; Church polity; Disestablishment (s); Government; Liberty of conscience; Persecution; Religious liberty; State church (s)

Church antiquities *see* Christian antiquities

Church architecture

See also Abbeys; Architecture; Architecture, Gothic; Basilicas; Cathedrals; Chapels; Christian art and symbolism; Church decoration and ornament; Crypts; Mosques; Orientation (architecture); Spires; Temples; Towers

Refer from Architecture; Architecture, Ecclesiastical (s); Architecture, Gothic; Basilicas; Cathedrals; Chapels; Christian antiquities; Christian art and symbolism; Churches (s); Ecclesiastical architecture (s); Religious art (s); Spires; Temples

Church attendance

Refer from Church statistics; Churchgoing (s); Public worship (s); Sunday; Worship

Church bells *see* Bells

Church benefices *see* Church property

Church biography *see* Christian biography

Church calendar *see* Christian year; Fasts and feasts

Church census *see* Church statistics

Church ceremonies *see* Christian antiquities; Fasts and feasts; Liturgies; Rites and ceremonies

Church costume *see* Church vestments

Church councils *see* Councils and synods

Church decoration and ornament

See also Christian art and symbolism; Church furniture; Floral decoration; Rood screens

Refer from Christian art and symbolism; Christmas; Church architecture; Church ornament (s); Decoration and ornament; Floral decoration; Interior decoration (s)

Church dedication

Refer from Church polity; Churches (s); Consecration of churches (s); Dedication of churches (s); Rites and ceremonies

Church discipline

See also Absolution; Asceticism; Church polity; Confession; Excommunication; Inquisition; Interdict; Monasticism; Penance; Purgatory; Simony

Refer from Church membership; Church polity; Discipline, Ecclesiastical (s); Excommunication; Penance

Church entertainments

See also Entertainments; Sunday school entertainments

Refer from Church sociables (s); Church work; Entertainments; Sociables (s); Socials (s); Sunday school entertainments

Church extension *see* Church work; Missions

Church fathers *see* Fathers of the church

Church festivals *see* Fasts and feasts

Church finance

See also Church property; Church rates; Taxation, Exemption from; Tithes

Refer from Church accounts (s); Church property; Church rates; Finance; Tithes

Church furniture

See also Altars; Baptismal fonts; Pulpits; Rood screens; Shrines

Refer from Altars; Baptismal fonts; Christian antiquities; Christian art and symbolism; Church decoration and ornament; Ecclesiastical furniture (s); Furniture; Pulpits

Church government *see* Church polity

Church history

See also Abbeys; Apostolic succession; Bible; Canonization; Cathedrals; Catholic

Refer from Bible; Catholic church — History; Christendom (s); Christianity; Chris-

Church history—Continued
church—History; Celibacy; Christianity; Church and state; Church law; Church polity; Convents and nunneries; Councils and synods; Creeds; Dissenters; Eastern churches; Episcopacy; Fathers of the church; Flagellants; Heresy; Huguenots; Inquisition; Jesuits; Jews; Martyrs; Miracles; Missions; Monasticism; Persecution; Popes—History; Protestantism; Reformation; Religious liberty; Religious orders; Revivals; Sects; Sisterhoods; Theology [for history of doctrines]; *also* headings beginning Christian, names of sects, churches, councils, etc., and names of countries and cities, subhead Religious history

tianity—History (s); Church and state; Church law; Church polity; Councils and synods; Ecclesiastical history (s); Heresy; History; Martyrs; Popes—History; Reformation; Religious history (s); Sacred history (s); Theology

——**Early church**
See also Arianism; Bible—New Testament—Apocryphal books; Catacombs; Donatists; Fathers of the church; Pelagianism

Refer from Arianism; Catacombs; Christianity—Origin (s); Christianity, Primitive (s); Donatists; Early church (s); Fathers of the church; Pelagianism; Primitive Christianity (s)

——**Early church — Apostolic**
See also Apostles; Apostolic fathers; Bible—New Testament

Refer from Apostles; Apostolic church (s); Apostolic fathers; Bible—New Testament

——**Middle ages**
See also Albigenses; Crusades; Flagellants; Middle ages—History; Popes—Temporal power; Schism, The great western, 1378–1417; Waldenses

Refer from Middle ages—History; Popes—Temporal power; Schism, The great western, 1378–1417

——Reformation, *see* Reformation

——**Modern**
See also Covenanters; Dissenters; Jansenists; Reformation

Church law
See also Apostolic canons; Apostolic constitutions; Asylum, Right of; Benefit of clergy; Church history; Church polity; Church property; Councils and synods; Divorce; Marriage; Simony; Tithes; *also* names of churches, subhead Government

Refer from Canon law (s); Church history; Church polity; Ecclesiastical law (s); Law

Church membership
See also Baptism; Church discipline; Church polity; Church statistics; Close communion; Confirmation; Covenants; Creeds; Lord's supper

Refer from Church polity; Confirmation; Lord's supper

Church music
See also Anthems; Bible—Music; Carols; Chants; Chimes and chiming; Choirs; Choral music; Hymns; Liturgies; Missals; Masses; Oratorios; Organ music

Refer from Anthems; Chants; Choirs; Choral music; Church services; Devotional exercises; Hymns; Music; Organ music; Psalmody (s); Sacred music (s); Songs; Vocal music (s); Worship

Church of Christ (Disciples) *see* Disciples of Christ

Church of Christ of latter-day saints *see* Mormons and Mormonism

Church of England
See also Anglican communion; Apostolic succession; Cathedrals; Catholic church; Christian year; Confirmation; Dissenters; England—Religious history; Episcopacy; Fasts and feasts; Nonjurors; Oxford movement; Protestant Episcopal church in the U. S.; Puritans; Ritualism; Sacraments; Sisterhoods

Refer from Anglican church (s); Anglican communion; Dissenters; England, Church of (s); England—Religious history; Episcopacy; Episcopal church (s); Nonjurors; Protestant Episcopal church in the U. S.; Puritans; Sects

Church of England — Continued

——**Articles of religion**
Refer from Articles, Thirty-nine (s); Church of England — Catechisms and creeds; Church of England — Thirty-nine articles (s); Thirty-nine articles (s)

——**Biography**
See also Archbishops; Bishops; Church of England — Clergy

——Canons, *see* Church of England — Government

——**Catechisms and creeds**
See also Apostles' creed; Athanasian creed; Church of England — Articles of religion; Nicene creed
Refer from Church of England — Creeds (s)

——**Clergy**
See also Apostolic succession; Archbishops; Bishops; Church of England — Directories; Episcopacy; Priests
Refer from Apostolic succession; Archbishops; Bishops; Church of England — Biography

——Constitution, *see* Church of England — Government

——**Convocations**

——Creeds, *see* Church of England — Catechisms and creeds

——**Dioceses**
See also names of dioceses

——**Directories**
See also Church of England — Yearbooks
Refer from Church of England — Clergy

——**Doctrinal and controversial works**
See also Marprelate controversy

——**Establishment**
See also Church and state
Refer from Church and state; Disestablishment (s); State church (s)

——**Finance**
See also Church rates; Tithes

——**Government**
See also Church of England — Royal supremacy
Refer from Church of England — Canons (s); Church of England — Constitution (s)

——**History**
See also England — Religious history; *also* names of dioceses
Refer from England — Religious history

——**Liturgy and ritual**
See also Ritualism
Refer from Church of England — Ritual (s); Liturgies; Ritualism

——**Missions**
Refer from Missions

——Ritual, *see* Church of England — Liturgy and ritual

——**Royal supremacy**
Refer from Church of England — Government; Royal supremacy (Church of England) (s)

——Thirty-nine articles, *see* Church of England — Articles of religion

——**Yearbooks**
Refer from Church of England — Directories

Church of Jesus Christ of latter-day saints *see* Mormons and Mormonism

Church of Scotland
See also Covenanters; Presbyterian church; Presbyterianism; Reformation — Scotland; Scotland — Religious history
Refer from Covenanters; Presbyterian church; Presbyterianism; Reformation — Scotland; Scotland — Religious history; Sects

Church of the New Jerusalem *see* New Jerusalem church

Church ornament *see* Church decoration and ornament

Church polity
See also Absolution; Apostolic succession; Asceticism; Baptism; Benefit of clergy;
Refer from Bishops; Church and state; Church discipline; Church government (s);

Brotherhoods; Cardinals; Celibacy; Christian antiquities; Christian union; Church and state; Church dedication; Church discipline; Church history; Church law; Church membership; Church property; Church rates; Clergy; Confession; Confirmation; Congregationalism; Councils and synods; Covenants; Deaconesses; Deacons; Episcopacy; Excommunication; Fasts and feasts; Free churches; Indulgences; Interdict; Liberty of conscience; Lord's supper; Methodism; Monasticism; Ordination; Penance; Popes; Preaching; Presbyterianism; Priests; Religious orders; Rites and ceremonies; Ritualism; Sacraments; Sisterhoods; Sunday; Tithes; Worship; *also* names of churches, subhead Government

Church property
See also Church finance; Convents and nunneries; Monasteries; Taxation, Exemption from

Refer from Church and state; Church benefices (s); Church finance; Church law; Church polity; Property; Real estate; Taxation, Exemption from

Church rates
See also Church finance; Tithes

Refer from Church finance; Church of England — Finance; Church polity; Dissenters; Tithes

Church schools
See also Church and education

Refer from Catholic church — Education; Church and education; Denominational schools (s); Diocesan schools (s); Parish schools (s); Parochial schools (s); Religious education; Schools

Church services
See also Church music; Devotional exercises; Liturgies; Prayer meetings; Responsive worship; Worship

Refer from Devotional exercises; Liturgies; Public worship (s); Religious services (s); Worship

Church settlements *see* Social settlements
Church sociables *see* Church entertainments
Church statistics
See also Church attendance

Refer from Church census (s); Church membership; Ecclesiastical statistics (s); Statistics

Church unity *see* Christian union
Church vestments
See also Costume

Refer from Christian antiquities; Christian art and symbolism; Church costume (s); Costume; Ecclesiastical costume (s); Ecclesiastical vestments (s); Regalia; Vestments (s)

Church work
See also Christian sociology; Christian work; Church entertainments; City missions; Deaconesses; Evangelistic work; Institutional churches; Missions; Pastoral work; Revivals; Social settlements; Sunday; Sunday schools

Refer from Christian sociology; Christian work; Church and social problems (s); Church extension (s); Institutional churches

Church year *see* Christian year
Churches *see* Church architecture; Church dedication; Free churches; *also* individual churches, and names of cities, subhead Churches
Churchgoing *see* Church attendance
Churchyards *see* Cemeteries
Cicadas
See also Hemiptera

Refer from Hemiptera; Insects, Injurious and beneficial; Locusts; Seventeen-year locusts (s)

Cider *See also* Beverages	*Refer from* Apple; Beverages
Cigarettes *See also* Smoking	*Refer from* Cigars; Smoking; Tobacco
Cigars *See also* Cigarettes; Smoking; Tobacco	*Refer from* Smoking; Tobacco
Cinematics *see* Kinematics	
Cinematograph *see* Moving pictures	
Cipher codes *see* Telegraph codes	
Ciphers *See also* Abbreviations; Telegraph; Telegraph codes; Writing	*Refer from* Abbreviations; Contractions (s); Cryptography (s); Cyphers (s); Secret writing (s); Sign language; Writing
Circle *See also* Geometry	*Refer from* Curves; Geometry
Circle-squaring *See also* Geometry	*Refer from* Geometry; Quadrature of the circle (s); Squaring of the circle (s)
Circulating libraries *see* Libraries	
Circulation of the blood *see* Blood	
Circulatory system *see* Vascular system	
Circumcision *See also* Jews — Religion	*Refer from* Jews; Jews — Religion
Circumnavigation *see* Voyages and travels around the world	
Circumstantial evidence *see* Evidence	
Circus *See also* Acrobats; Animals — Training; Clowns; Menageries	*Refer from* Amusements; Clowns; Hippodrome (s); Menageries
Cistercians *See also* Benedictines; Monasticism; Trappists	*Refer from* Benedictines; Monasticism; Trappists
Cities *See also* Boroughs; City and country; City life; Garden cities; Hanseatic league; Housing problem; Markets; Municipal government, and other headings beginning Municipal; Parks; Slums; Street cleaning; Street cries; Streets; Towns	*Refer from* Boroughs; Local government; Municipal corporations; Municipal government; Municipalities (s); Sociology; Towns
——Planning and laying out *See also* Garden cities; Housing problem; Municipal art; Municipal centers; Municipal improvement; *also* names of cities, subhead Public buildings	*Refer from* City planning (s); Garden cities; Housing problem; Municipal art; Municipal centers; Municipal improvement
Citizenship *See also* Aliens; Allegiance; Civil rights; Education and citizenship; Expatriation; Government; Naturalization; Patriotism; Political ethics; School city	*Refer from* Aliens; Allegiance; Civics (s); Civil rights; Conduct of life; Elections; Expatriation; Foreigners (s); Government; International law; Naturalization; Patriotism; Political ethics; Public spirit (s); Suffrage
City and country *See also* City life; Country life; Farm life	*Refer from* Cities; City life; Country life; Farm life
City gardens *see* Vacant lot cultivation	
City government *sse* Municipal government	
City improvement *see* Municipal improvement	
City life *See also* Bohemianism; City and country	*Refer from* Cities; City and country
City missions	*Refer from* Charities; Church work; Missions, Home; Social settlements
City planning *see* Cities — Planning and laying out	
Civic art *see* Municipal art	
Civic centers *see* Municipal centers	
Civic improvement *see* Municipal improvement	

Civics *see* Citizenship; Government; Municipal government; *also* names of countries, subhead Government

Civil engineering

See also Aqueducts; Arches; Blasting; Boring; Breakwaters; Bridges; Building; Canals; Cofferdams; Curves in engineering; Docks; Drainage; Dredging; Earthwork; Embankments; Engineering; Excavation; Foundations; Harbors; Hydraulic engineering; Irrigation; Lighthouses; Masonry; Mechanical engineering; Mensuration; Mining engineering; Piles and pile driving; Public works, and subhead Public works under names of countries and cities; Railroad engineering; Railroads — Construction; Reclamation of land; Rivers; Roads; Sanitary engineering; Steel construction; Streets; Strength of materials; Subways; Surveying; Tunnels; Walls; Water supply

Refer from Aqueducts; Breakwaters; Bridges; Building; Canals; Curves in engineering; Docks; Dredging; Earthwork; Embankments; Engineering; Engineering, Civil (s); Foundations; Harbors; Irrigation; Railroads — Construction; Roads; Surveying; Tunnels

Civil government *see* Government

Civil law

See also Law, and references under that subject

Refer from Law; Roman law (s)

Civil liberty *see* Liberty

Civil rights

See also Citizenship; Constitutional law

Refer from Citizenship; Constitutional law; Government; Law; Police power; Rights, Civil (s)

Civil service

See also Bureaucracy; Campaign funds; Civil service examinations; Civil service pensions; Civil service reform; Nominations

Refer from Administration (s); Government; Government officials (s); Office, Tenure of (s); Politics; Spoils system (s); Tenure of office (s)

——U. S.

See also Civil service reform; U. S.— Registers

Refer from U. S.— Civil service (s); U. S.— Government

Civil service examinations

Refer from Civil service; Competitive examinations (s); Examinations

Civil service pensions

See also Teachers — Salaries, pensions, etc.

Refer from Civil service; Old age pensions; Pensions

Civil service reform

See also Municipal government — Commission plan; Political corruption

Refer from Civil service; Civil service —. U. S.; Political corruption; Reform; U. S. — Politics

Civil war *see* England — History — Civil war and commonwealth; U. S.— History — Civil war

Civilization

See also Anglo-Saxons; Anthropology; Archaeology; Art; Culture; Degeneration; Education; Ethics; Ethnology; Eugenics; History; History — Philosophy; Industry; Inventions; Latin races; Man; Manners and customs; Migration of nations; Progress; Religions; Renaissance; Social problems; Society, Primitive; Sociology; Teutonic race; Tribes and tribal system; *also* names of countries, subhead Civilization

Refer from Anthropology; Archaeology; Culture; Education; Ethics; Ethnology; Government; History; History — Philosophy; Man; Progress; Social conditions (s); Social science (s); Sociology

——Ancient

See also Industries, Primitive; *also* names of countries of antiquity, subhead Civilization

Refer from History, Ancient; Industries, Primitive

——Aryan

See also Aryans

Refer from Aryan civilization (s); Aryans

Civilization—Continued

——Christian — *Refer from* Christianity

——History — *Refer from* Culture, Primitive (s); Primitive culture (s)

——Medieval — *See also* Chivalry; Feudalism — *Refer from* Chivalry; Feudalism; Medieval civilization (s); Middle ages — Civilization (s)

——Oriental — *Refer from* Oriental civilization (s)

——Pagan — *Refer from* Pagan civilization (s)

Claims — *See also* Alabama claims; French spoliation claims; *also* names of countries, cities and wars, subhead Claims — *Refer from* Finance; International law

Clairvoyance — *See also* Animal magnetism; Hypnotism; Mind reading; Psychical research; Psychometry (character reading, etc.); Thought transference — *Refer from* Animal magnetism; Divination; Fortune telling; Mind reading; Psychical research; Second sight; Spiritualism; Thought transference

Clans — *See also* Highlands of Scotland; Society, Primitive; Tartans; Tribes and tribal system; *also* names of clans — *Refer from* Feudalism; Highlands of Scotland; Scotland; Scottish clans (s); Society, Primitive; Tartans; Tribes and tribal system

Class day — *Refer from* Colleges and universities; Commencements; Student life

Class distinction — *See also* Caste; Equality; Leisure class; Peerage; Precedence — *Refer from* Equality; Leisure class; Precedence; Social classes (s); Society; Sociology

Classical antiquities — *See also* Archaeology; Art, Greek; Art, Roman; Classical dictionaries; Greece — Antiquities; Mythology, Classical; Rome — Antiquities — *Refer from* Archaeology; Art, Ancient; Greece — Antiquities; Rome — Antiquities

Classical biography — *See also* Greece — Biography; Rome — Biography — *Refer from* Biography; Greece — Biography; Rome — Biography

Classical dictionaries — *Refer from* Classical antiquities; Dictionaries; History, Ancient; Mythology; Mythology, Classical; Reference books

Classical education — *See also* Colleges and universities; Curriculum; Humanism — *Refer from* Colleges and universities; Curriculum; Education; Education, Classical (s); Education, Higher (s); Higher education (s); Humanism; Humanities (s); Language

Classical geography *see* Geography, Ancient

Classical languages *see* Greek language; Latin language

Classical literature — *See also* Classicism; Greek literature; Latin literature — *Refer from* Greek literature; Latin literature; Literature

Classical mythology *see* Mythology, Classical

Classicism — *See also* Hellenism; Romanticism — *Refer from* Art; Classical literature; Esthetics; Hellenism; Literature; Romanticism

Classification — *See also* Cataloging; Library science; *also* subhead Classification under various subjects, e.g. Botany — Classification — *Refer from* Bibliography; Books; Cataloging; Library science

——Decimal — *Refer from* Decimal classification (s); Dewey classification (s)

——Expansive — *Refer from* Cutter classification (s); Expansive classification (s)

Clay — *See also* Bricks; Clay industries; Geology, Economic; Modeling — *Refer from* Bricks; Geology, Economic; Soils

Clay industries
See also Bricks; Chemistry, Technical; Pottery; Tiles

Refer from Bricks; Chemistry, Technical; Clay; Industrial arts; Pottery; Tiles

Clay modeling *see* Modeling

Cleaning
See also Bleaching; Drying; Dyes and dyeing; House cleaning; Laundry; Soap; Street cleaning; Sweeping; Vacuum cleaning systems

Refer from Bleaching; Chemistry, Household; Dyes and dyeing; Laundry; Sanitary chemistry; Scouring (s)

Cleanliness
See also Baths and bathing; Disinfection and disinfectants; Sanitation

Refer from Home economics; Hygiene; Sanitation

Clearing houses
See also Banks and banking; Exchange; Trust companies

Refer from Banks and banking; Exchange

Clearing of land
See also Lumber and lumbering

Refer from Agriculture; Land; Land clearing (s)

Clergy
See also Benefit of clergy; Bishops; Celibacy; Monasticism; Ordination; Pastoral work; Preachers; Preaching; Priests; *also* names of churches, subhead Clergy

Refer from Church polity; Curates (s); Deacons; Ministers of the gospel (s); Ordination; Parsons (s); Pastoral theology (s); Pastoral work; Pastors (s); Preachers; Priests; Professions; Rectors (s); Theology; Theology, Pastoral (s)

——Biography

Refer from Biography; Christian biography

Cliff dwellers and cliff dwellings
See also Archaeology; Arizona — Antiquities; Mexico — Antiquities

Refer from Anthropology; Archaeology; Architecture, Ancient; Arizona — Antiquities; Ethnology; Indians; Mexico — Antiquities; Pueblos

Climate
See also Acclimatization; Cold; Health resorts; Medical geography; Meteorology; Physical geography; Rain; Seasons; Temperature; Weather; *also* names of countries and cities, subhead Climate

Refer from Acclimatization; Climatology (s); Earth; Ethnology; Health resorts; Hygiene; Medical climatology (s); Medical geography; Meteorology; Physical geography; Temperature; Therapeutics; Weather

Climatology *see* Climate

Climbing plants
See also Botany — Physiology

Refer from Botany; Botany — Physiology; Plants; Plants, Climbing (s); Vines (s)

Clinical medicine *see* Medicine — Practice

Clippings
See also Scrapbooks

Refer from Newspaper clippings (s); Newspapers; Press clippings (s); Quotations; Scrapbooks

Clocks and watches
See also Pendulum; Timekeepers

Refer from Horology (s); Manufactures; Timekeepers; Watches (s)

Cloisonné
See also Enamel

Refer from Enamel; Shippo (s)

Cloisters *see* Convents and nunneries; Monasteries

Close communion
See also Baptists; Lord's supper

Refer from Baptism; Baptists; Church membership; Communion (s); Lord's supper

Closed shop *see* Open and closed shop

Cloth *see* Textile industry and fabrics

Clothing
See also Buttons; Consumers' leagues; Costume; Dress reform; Dressmaking; Fur; Garment cutting; Hosiery; Sumptuary laws; Sweating system; Tailoring; Textile industry and fabrics; Toilet; Underwear; Uniforms

Refer from Costume; Dress (s); Dry goods; Fashion; Hygiene; Manufactures; Textile industry and fabrics

Clouds
See also Meteorology

Refer from Meteorology

Clover

Refer from Feeding and feeding stuffs; Forage plants; Grasses; Hay

Clowns
See also Circus; Fools

Refer from Circus; Harlequins (s)

Clubs
See also Book clubs; Boys' clubs; Girls' clubs; Mothers' clubs; Neighborhood gilds; Societies; Study clubs; Women's clubs; Working women's clubs; Workingmen's clubs; *also* names of cities, subhead Clubs

Refer from Corporations; Societies

Coaches and coaching
See also Carriages; Driving; Omnibuses; Roads

Refer from Amusements; Carriages; Coaching (s); Driving; Horsemanship; Locomotion; Riding (s); Stage-coaches (s); Vehicles

Coaching *see* Coaches and coaching

Coal
See also Briquets; Coal mines and mining; Coal regions; Coal-tar colors; Coal-tar products; Coaling stations; Coke; Gas; Geology, Economic; Lignite

Refer from Anthracite coal (s); Bituminous coal (s); Carbon; Chemistry, Organic; Fuel; Geology; Geology, Economic; Lignite; Mineralogy

Coal gas *see* Gas

Coal lands *see* Coal regions

Coal mines and mining
See also Anthracite coal strike, 1902; Coal regions; Mine accidents; Miners; Mining engineering, and references under that subject

Refer from Coal; Mines and mineral resources

Coal oil *see* Petroleum

Coal regions
See also Geology, Economic

Refer from Coal; Coal lands (s); Coal mines and mining; Geology, Economic

Coal-tar colors
See also Chemistry, Technical; Dyes and dyeing

Refer from Aniline colors (s); Chemistry, Technical; Coal; Coal-tar products; Color; Dyes and dyeing

Coal-tar products
See also Chemistry, Technical; Coal-tar colors; Distillation; Gas; Oils and fats; Petroleum

Refer from Chemistry, Technical; Coal; Commercial products; Distillation; Gas; Petroleum

Coaling stations

Refer from Coal; Navies; U. S.— Navy

Coast artillery *see* Artillery

Coast changes
See also Erosion; Physical geography

Refer from Erosion; Ocean; Physical geography; Seashore

Coast defense
See also Armor plate; Artillery; Mines, Submarine; *also* names of countries, subhead Defenses

Refer from Armor plate; Defenses, National (s); Fortification; Harbor defense (s); Military art and science; Military engineering; Sea coast defense (s); U. S.— Defenses

Coast pilots *see* Pilot guides

Coasting
See also Tobogganing; Winter sports

Refer from Sports; Tobogganing; Winter sports

Coats of arms *see* Devices; Heraldry

Cobalt
See also Metals

Refer from Metals

Cocaine
See also Anesthetics; Narcotic habit

Refer from Anesthetics; Narcotic habit

Coccidae *see* Scale insects

Cocoa
See also Beverages; Chocolate

Refer from Agricultural products; Agriculture — Tropics; Beverages; Chocolate

Cocoons
See also Silkworms

Refer from Insects

Codes, Telegraphic, *see* Telegraph codes

Codling moth
Refer from Fruit — Diseases and pests; Moths

Coeducation
See also Education of women
Refer from Colleges and universities; Education; Education of women; Girls

Coelenterata
See also Corals and coral islands; Invertebrates
Refer from Corals and coral islands; Invertebrates; Marine zoology; Polyps (s)

Coffee
See also Beverages
Refer from Agricultural products; Agriculture — Tropics; Beverages; Cookery; Stimulants

Coffee-houses *see* Coffeehouses

Coffeehouses
See also names of cities, subhead Hotels, taverns, etc.
Refer from Coffee-houses (s); Hotels; Inns

Cofferdams
See also Bridges — Foundations and piers; Foundations; Piles and pile driving
Refer from Bridges — Foundations and piers; Civil engineering; Dams; Foundations; Hydraulic engineering; Piles and pile driving

Cog-wheels *see* Gearing
Cogwheels *see* Gearing

Coherers
See also Wireless telegraphy
Refer from Electric apparatus and appliances; Electric waves; Wireless telegraphy

Coiffure *see* Hairdressing

Coinage
See also Bimetallism; Gold (as money); Legal tender; Mints; Money; Silver (as money)
Refer from Bimetallism; Bullion (s); Coins(s); Fiat money (s); Free coinage of silver (s); Gold (as money); Mints; Money; Numismatics; Silver (as money)

Coins *see* Coinage; Numismatics

Coke
Refer from Carbon; Coal; Fuel

Cold
See also Frost; Heat; Temperature
Refer from Climate; Freezing (s); Frost; Heat; Meteorology; Temperature

Cold (disease)
See also Bronchitis; Catarrh; Cough; Influenza; Respiratory organs — Diseases
Refer from Catarrh; Cough; Influenza; Medicine — Practice; Respiratory organs — Diseases

Cold storage
See also Food preservation and preservatives; Refrigeration and refrigerating machinery
Refer from Eggs; Food preservation and preservatives; Meat; Preservation of food (s); Refrigeration and refrigerating machinery; Refrigerators (s)

Coleoptera *see* Beetles

Collaboration
Refer from Authorship; Joint authorship (s); Literary collaboration (s)

Collecting *see* Collectors and collecting
Collective bargaining *see* Labor unions; Trade agreements
Collectivism *see* Communism; Socialism

Collectors and collecting
See also names of objects collected, e.g. Antiques; Autographs; Book collecting; Plants — Collection and preservation; Postage stamps
Refer from Art; Collecting (s)

Collects *see* Prayer books; Prayers

College athletics
See also Athletics; Baseball; Basket-ball; Football; Rowing; School athletics; Track athletics
Refer from Athletics; Baseball; Basket-ball; College sports (s); Football; Games; Intercollegiate athletics (s); Physical education; Rowing; School athletics; Sports; Student life; Track athletics

College degrees *see* Degrees, Academic

ollege education, Value of
See also Culture

Refer from Culture; Education; Education, Higher (s); Higher education (s)

ollege entrance requirements
Refer from Entrance examinations (s); Examinations; High schools

ollege fraternities *see* Fraternities, College
ollege gowns *see* Costume, Academic
ollege libraries *see* Libraries, College
ollege life *see* Student life
ollege periodicals *see* Students' periodicals

ollege plays
Refer from Amateur theatricals; College theatricals (s); Drama

ollege poetry *see* College verse

ollege sermons
Refer from Baccalaureate sermons (s); Sermons

ollege settlements *see* Social settlements

ollege songs
Refer from Drinking songs; Student songs (s); Songs

ollege sports *see* College athletics

ollege stories
See also School stories

Refer from Fiction; School stories; Student life

ollege students *see* Student life; Students
ollege theatricals *see* College plays

ollege verse
Refer from College poetry (s); Poetry

ollege yells *see* Yells

olleges and universities
See also Agricultural colleges; Class day; Classical education; Coeducation; Commencements; Costume, Academic; Curriculum; Degrees, Academic; Education; Education of women; Fraternities, College; Hazing; Medical colleges; Research; Scholarships; Self-government (in education); Student life; Student volunteer movement; Students; Students' periodicals; Taxation, Exemption from; University extension; Vocational education; *also* headings beginning College
Refer from Classical education; Education; Education, Higher (s); Higher education (s); Schools; Student life; Students; Universities (s)

—U. S.
See also Education — U. S.; National university for the U. S.
Refer from Education — U. S.; U. S.— Colleges and universities (s); U. S.— Universities (s)

ollisions (railroad) *see* Railroads — Accidents

ollisions at sea
See also Admiralty; Rule of the road; Salvage; Shipwrecks; Signals; Wireless telegraphy
Refer from Accidents; Admiralty; Disasters; Maritime law; Navigation; Shipwrecks

olloids
See also Catalysis; Chemistry, Physical
Refer from Catalysis; Chemistry, Physical; Solution (chemistry)

ollotype
See also Heliotype; Photomechanical processes
Refer from Heliotype; Photography; Photomechanical processes

olonial architecture *see* Architecture, Colonial
olonial furniture *see* Furniture, Colonial
olonial history (U. S.) *see* U. S.— History — Colonial period

olonial life and customs
See also Architecture, Colonial; Furniture, Colonial; New England — Social life and customs; U. S.— History — Colonial period; *also* names of the thirteen original states and their cities, subhead Social life and customs
Refer from Frontier and pioneer life; New England — Social life and customs; U. S.— History — Colonial period U. S.— Social life and customs

olonial wars *see* U. S.— History — Colonial period

olonies and colonization
See also Farm colonies; Frontier and pioneer life; Immigration and emigration; Imperialism; Military government; Penal colonies; *also* U. S.— Insular possessions, and names of other countries, subhead Colonies

Refer from Colonization (s); Dependencies (s); Frontier and pioneer life; Government; History; Immigration and emigration; Imperialism; Sociology

olonization *see* Colonies and colonization
olonization of negroes *see* Africa — Colonization; Negroes — Colonization

olophons
See also Title-pages

Refer from Books; Cataloging; Incunabula; Printing; Title-pages

olor
See also Chromolithography; Coal-tar colors; Dyes and dyeing; Indigo; Light; Painting; *also* headings beginning Color

Refer from Chemistry; Chromatics (s); Dyes and dyeing; Esthetics; Light; Paint; Painting; Painting, Mechanical; Photometry; Pigments (s)

olor blindness
See also Color sense

Refer from Blind; Color sense; Daltonism (s); Eye — Diseases and defects; Light; Sight

olor of animals
See also Albinos and albinism; Color of insects; Mimicry (biology)

Refer from Animal coloration (s); Animals; Animals — Coloration (s); Biology; Evolution; Metachrosis (s); Mimicry (biology); Pigmentation (s); Variation (biology); Zoology

olor of flowers
See also Botany — Physiology; Color of plants; Fertilization of plants

Refer from Botany; Botany — Physiology; Color of plants; Fertilization of plants; Flowers; Variation (biology)

olor of insects

Refer from Color of animals; Insects; Variation (biology)

olor of man
See also Albinos and albinism; Hair

Refer from Albinos and albinism; Anthropology; Complexion (s); Ethnology; Evolution; Face; Man; Negroes; Physiology; Pigmentation (s); Skin; Yellow races

Color of plants
See also Botany — Physiology; Color of flowers

Refer from Biology; Botany — Physiology; Color of flowers; Evolution; Plants; Plants — Color (s); Variation (biology)

Color photography

Refer from Chromophotography (s); Color printing; Heliochromy (s); Photography; Photography, Color (s)

Color printing
See also Chromolithography; Color photography; Color prints

Refer from Chromolithography; Engraving; Printing

Color prints

Refer from Chromolithography; Color printing; Engravings

Color sense
See also Color blindness

Refer from Color blindness; Psychology; Psychology, Comparative; Senses and sensation; Sight; Vision (s)

Colored people *see* Negroes
Coloring of metals *see* Metal coloring
Colportage *see* Bible — Publication and distribution; Tracts

Columns
See also Architecture; Orders of architecture; Strength of materials

Refer from Architecture; Orders of architecture; Pillars (s)

Combat, Trial by, *see* Wager of battle

Combination, Industrial
See also Employers' associations; Labor unions; Restraint of trade; Trusts

Refer from Cartels (economics) (s); Competition; Economics; Employers' associations; Industrial combination (s); Kartels (economics) (s); Labor and capital; Labor unions; Restraint of trade; Trades combination (s); Trusts

Combustion
See also Fire; Fuel; Heat; Mechanical draft; Smoke

Refer from Chemistry; Fire; Heat; Mechanical draft; Spontaneous combustion (s)

Comedians *see* Actors; Comedy

Comedy
See also Burlesques; Drama

Refer from Burlesques; Comedians (s); Drama; Humor

Comets
See also Astronomy

Refer from Astronomy

Comic histories

Refer from History, Comic (s); Humor

Comic literature *see* Humor; Satire

Comic operas *see* Operettas

Commandments
See also Bible — Old Testament — Exodus; Mosaic law

Refer from Bible; Bible — Old Testament — Exodus; Decalogue (s); Ethics; Mosaic law; Ten commandments (s)

Commencements
See also Class day

Refer from Colleges and universities; Graduation (s); High schools

Commentaries *see* Bible — Commentaries, and other subjects commented on

Commerce
See also Accounting; Advertising; Auctions; Balance of trade; Bankruptcy; Banks and banking; Boards of trade; Bookkeeping; Booksellers and bookselling; Business; Business depression; Canals; Capital; Carriers; Communication; Competition; Consumption (economics); Contraband of war; Contracts; Cooperation; Corporations; Credit; Debt; Economics; Embargo laws; Exchange; Fairs; Finance; Food supply; Foreign exchange; Freight; Fur trade; Gilds; Government regulation of industry; Grange; Hanseatic league; Harbors; Inland navigation; Insurance; Interest; International law; Interstate commerce; Labor unions; Loans; Manufactures; Maritime law; Marketing of farm produce; Markets; Merchants; Money; Monopolies; Navigation; Neutrality; Packing for shipment; Panics; Partnership; Pawnbroking; Prices; Profit sharing; Prosperity; Railroads; Reciprocity; Restraint of trade; Salesmanship; Shipping; Smuggling; Speculation; Stamp duties; Statistics; Steam navigation; Stock exchange; Stocks; Subsidies; Success; Tariff; Tariff question; Telegraph codes; Trade-marks; Trading companies; Transportation; Trust companies; Trusts; Warehouses; Waterways; Weights and measures; *also* headings beginning Commercial, names of articles of commerce, names of countries, subheads Commerce and Industries and resources, and names of cities, subheads Business and Industries

Refer from Balance of trade; Business; Capital; Carriers; Communication; Consumption (economics); Economics; Exchange; Exportation (s); Exports (s); Finance; Foreign trade (s); Imports (s); Industrial arts; Manufactures; Merchandise (s); Merchants; Money; Navigation; Ocean; Railroads; Shipping; Tariff; Trade (s); Transportation

Commercial arithmetic *see* Arithmetic, Commercial

Commercial correspondence

Refer from Business correspondence (s); Business education; Correspondence (s); Letter writing

——French

Refer from French language

Commercial courts

Refer from Commercial law; Courts

Commercial crises *see* Business depression; Panics

Commercial education *see* Business education

Commercial ethics *see* Business ethics

Commercial geography
See also Anthropogeography; Commercial products; Manufactures; Natural resources; Transportation
Refer from Commercial products; Economic geography (s); Geography; Geography, Commercial (s); Geography, Economic (s); Natural resources

Commercial law
See also Administrators and executors; Admiralty; Agency; Arbitration and conciliation, Industrial; Assignments; Attachment; Auditing; Bailments; Bankruptcy; Brokers and factors; Business; Carriers; Commercial courts; Competition; Consuls; Contracts; Conveyancing; Corporation law; Debt; Deeds; Exchange; Foreign exchange; Forms (in law); Guaranties and sureties; Insurance; Joint-stock companies; Landlord and tenant; Liens; Maritime law; Mortgages; Negotiable instruments; Notaries; Partnership; Property; Real estate; Sale; Trust companies; Trustees; Trusts; *also* subhead Law under various subjects, e.g. Banks and banking — Law
Refer from Admiralty; Agency; Assignments; Bailments; Bankruptcy; Business; Business education; Business law (s); Carriers; Consuls; Contracts; Corporation law; Debt; Forms (in law); Guaranties and sureties; Law; Mercantile law (s); Merchants; Negotiable instruments; Partnership; Sale

Commercial paper *see* Negotiable instruments

Commercial products
See also Agricultural products; Animal products; Coal-tar products; Commercial geography; Forest products; Manufactures; Natural resources; *also* names of individual products, e.g. Asphalt, Petroleum; and names of countries, subhead Industries and resources
Refer from Agricultura products; Animal products; Commercial geography; Forest products; Natural resources; Products, Commercial (s); Raw materials (s)

Commercial ratings *see* Credit guides

Commercial schools *see* Business education

Commercial travelers
See also Peddlers and peddling; Salesmanship
Refer from Agents (s); Business; Drummers (s); Merchants; Salesmanship; Salesmen, Traveling (s); Traveling salesmen (s); Travelers

Commercial treaties
See also Reciprocity; Tariff; *also* names of countries, subhead Treaties
Refer from Favored nation clause (s); Most favored nation clause (s); Reciprocity; Tariff; Treaties

Commission government *see* Municipal government — Commission plan

Committees
See also Legislative bodies; Parliamentary practice
Refer from Legislative bodies; Parliamentary practice

Common carriers *see* Carriers

Common lands *see* Commons

Common law
See also Law, and references under that subject
Refer from Law

Common schools *see* Public schools

Common sense
Refer from Judgment; Psychology

Commonplace books
Refer from Literature

Commons
See also Mark (land); Parks; Vacant lot cultivation; Village communities
Refer from Common lands (s); Land tenure; Parks

Commonwealth of England *see* England — History — Civil war and commonwealth

Commune, Paris, *see* France — History — Third republic, 1870–; Paris — History — Siege and commune

Communication
See also Carriers; Commerce; Newspapers; Postal service; Printing; Railroads; Telegraph; Telegraph codes; Telephone; Transportation; Waterways; Wireless telegraphy

Refer from Carriers; Commerce; Economics; Transportation

Communion *see* Close communion; Lord's supper

Communism
See also Anarchism and anarchists; Harmonists; Individualism; Land nationalization; Shakers; Socialism; Tribes and tribal system; Village communities; *also* names of communities, e.g. Brook Farm

Refer from Collectivism (s); Communities(s); Cooperation; Economics; Government; Individualism; Labor and laboring classes; Land nationalization; Profit sharing; Property; Socialism; Socialistic communities (s); Sociology; Village communities

Communities *see* Communism; Village communities; *also* names of communities

Commutators
See also Dynamos; Electric motors

Refer from Armatures; Dynamos; Electric machinery; Electric motors; Electromagnets

Comparative anatomy *see* Anatomy, Comparative

Comparative morphology *see* Anatomy, Comparative; Morphology

Comparative mythology *see* Mythology

Comparative philology *see* Language — Comparative philology

Comparative physiology *see* Physiology, Comparative

Comparative psychology, *see* Psychology, Comparative

Comparative religion *see* Religions

Compass
See also Magnetism, Terrestrial

Refer from Declination of the compass (s); Magnetic needle (s); Magnetism; Magnetism, Terrestrial; Mariner's compass (s); Navigation; Surveying instruments; Variation of the compass (s)

Compassion *see* Sympathy

Compensation *see* Bounties; Damages; Employers' liability; Indemnity; Pensions; Rewards (prizes, etc.); Salaries; Wages

Competition
See also Combination, Industrial; Department stores; Monopolies; Supply and demand; Trusts

Refer from Business; Business ethics; Commerce; Commercial law; Economics; Monopolies; Supply and demand; Trusts

Competitive examinations *see* Civil service examinations; Examinations

Complexion *see* Beauty, Personal; Color of man; Cosmetics

Composers *see* Musicians

Composing machines *see* Typesetting machines

Composite photography *see* Photography, Composite

Composition (art)
See also Art; Painting; Proportion (art)

Refer from Art; Painting; Proportion (art)

Composition (English)
See also Letter writing; Rhetoric

Refer from Composition (rhetoric) (s); English composition (s); English language; English language — Composition (s); Rhetoric

Composition (music)
See also Canon (music); Counterpoint; Fugue; Harmony; Instrumentation and orchestration; Melody; Music; Musical accompaniment

Refer from Music; Music — Theory; Musical composition (s)

Composition (printing) *see* Typesetting

Composition (rhetoric) *see* Composition (English); Letter writing; Rhetoric; *also* names of languages other than English, e.g. German language — Composition

Compressed air
See also Air compressors; Caisson disease; Pneumatic tubes; Vacuum cleaning systems

Refer from Air; Air compressors; Air engines; Caissons; Foundations; Motors; Pneumatic transmission (s); Pneumatic tubes; Power; Power transmission

Compressed air disease *see* Caisson disease

Compressibility
See also Elasticity; Matter

Refer from Hydrostatics; Matter; Physics

Compromise

Refer from Ethics; Political ethics

Compulsory education
See also Child labor; Illiteracy; School attendance; School laws; Truancy

Refer from Child labor; Education; Education, Compulsory (s); School attendance; School laws

Compulsory insurance *see* Insurance, State and compulsory

Concentration *see* Attention

Concentration camps
See also South African war, 1899–1902

Refer from Camps (military); Military art and science; Prisoners of war

Concentration of schools *see* Schools — Centralization

Concert halls *see* Music halls

Concerts

Refer from Amusements; Entertainments; Music

Conchology *see* Mollusks

Conciliation, Industrial, *see* Arbitration and conciliation, Industrial

Concordances *see* Bible — Concordances, and names of authors to whose works concordances have been made

Concrete
See also Asphalt; Building materials; Cement; Concrete, Reinforced; Concrete construction; Concrete pottery; Masonry; Pavements; Stone, Artificial

Refer from Béton (s); Building materials; Cement; Concrete, Reinforced; Foundations; Masonry; Pavements; Stone, Artificial

——**Reinforced**
See also Building materials; Concrete; Concrete construction

Refer from Armored concrete (s); Building materials; Concrete; Concrete construction; Concrete steel (s); Ferro-concrete (s); Reinforced concrete (s); Steel construction

Concrete construction
See also Concrete, Reinforced; Fireproof construction

Refer from Architecture; Building; Concrete; Concrete, Reinforced; Fireproof construction; Steel construction

Concrete pottery

Refer from Concrete; Garden ornaments and furniture; Pottery

Concrete steel *see* Concrete, Reinforced

Concretions
See also Geology

Refer from Geology

Condemnation of land *see* Eminent domain

Condemned books *see* Prohibited books

Condensation
See also Atmospheric nucleation

Refer from Atmospheric nucleation; Chemistry; Physics

Condensers (electricity)
See also Electrostatics

Refer from Electric apparatus and appliances; Electric condensers (s); Electrostatics; Induction coils

Condensers (steam)
See also Steam engines

Refer from Steam; Steam engines

Condiments
See also Salt; Spices

Refer from Food; Salt; Spices

Conduct of life
See also Altruism; Ambition; Asceticism; Avarice; Boys; Business ethics; Character; Charity; Cheerfulness; Children; Christian life and character; Citizenship; Conversation; Courage; Courtesy; Culture; Duty; Eccentricity; Egoism; Ethics; Etiquet; Extravagance; Friendship; Gentlemen; Girls; Habit; Honesty; Idleness; Justice; Kindness; Leisure; Life; Loyalty; Obedience; Opportunity; Patience; Patriotism; Popularity; Procrastination; Prudence; Self-control; Self-culture; Self-denial; Self-reliance; Self-respect; Selfishness; Simple life; Solitude; Spiritual life; Standard of living; Success; Temperance; Thrift; Virtue; Work; Worry; Young men; Young women; Youth

Refer from Behavior (s); Character; Christian life and character; Duty; Ethics; Ethics, Practical (s); Life; Practical ethics (s); Self-help (s); Success; Young men; Young women

Conducting (music)
See also Bands (music); Choirs; Orchestras

Refer from Bands (music); Choirs; Orchestras

Conductivity, Electric, *see* Electric conductivity

Conductors, Electric, *see* Electric conductors

Conduits *see* Aqueducts

Confectionery
See also Chocolate; Ices

Refer from Candy (s); Cookery; Manufactures; Sugar

Confederacies *see* Federal government

Confession
See also Absolution; Penance; Sin

Refer from Absolution; Auricular confession (s); Catholic church; Church discipline; Church polity; Penance; Repentance; Sin; Theology

Confessions of faith *see* Creeds

Confirmation
See also Church membership; Lord's supper

Refer from Church membership; Church of England; Church polity; Protestant Episcopal church in the U. S.; Rites and ceremonies; Sacraments; Theology

Confiscation

Refer from International law; Law; Property

Conflagrations *see* Fires

Confucianism
See also Ancestor worship; Buddhism; China — Religion; Taoism

Refer from Ancestor worship; China — Religion; Religions

Congregationalism
See also Antinomianism; Baptists; Brownists; Calvinism; Church polity; Dissenters; Friends, Society of; New England — Religious history; Orthodoxy; Presbyterianism; Puritans; Unitarianism; Universalism

Refer from Baptists; Brownists; Calvinism; Church polity; Dissenters; Independents (church polity) (s); New England — Religious history; Orthodoxy; Puritans; Sects

Congress, U. S., *see* U. S. — Congress

Congresses *see* names of bodies holding congresses; or, when not held by any named body, *see* name of congress, if distinctive, otherwise name of place of meeting

Conic sections
See also Curves; Ellipse; Geometry, Analytic; Mathematics

Refer from Curves; Ellipse; Geometry; Geometry, Analytic; Mathematics

Conjuring
See also Conjurors; Magic; Medicine men; Voodooism; Witchcraft

Refer from Amusements; Illusions and hallucinations; Juggling (s); Legerdemain (s); Magic; Necromancy (s); Prestidigitation (s); Sleight of hand (s)

Conjurors

Refer from Biography; Conjuring

Connecticut Reserve *see* Western Reserve

Consanguinity
See also Deaf and dumb; Degeneration; Epilepsy; Family; Idiocy; Insanity; Marriage

Refer from Ethnology; Eugenics; Heredity; Kinship (s); Marriage; Relationship (s); Tribes and tribal system

Conscience
See also Christian ethics; Liberty of conscience

Refer from Cases of conscience (s); Casuistry (s); Christian ethics; Duty; Ethics; Religion; Theology

Consciousness
See also Automatism; Knowledge; Perception; Personality; Psychology; Reaction time; Senses and sensation; Subconsciousness

Refer from Automatism; Metaphysics; Personality; Psychology

Conscription
See also Draft riot, 1863; Military service; Recruiting and enlistment

Refer from Drafting, Military (s); Military art and science; Military service; Recruiting and enlistment

Consecration of churches *see* Church dedication
Conservation of energy *see* Force and energy
Conservation of resources
See also Forests and forestry; Mines and mineral resources; Natural resources; Reclamation of land; Water power

Refer from Forests and forestry; Natural resources; Resources (s)

Conservatories *see* Greenhouses
Consolation

Refer from Affliction; Death; Devotional exercises; Religion; Suffering

Consolidation of schools *see* Schools — Centralization
Conspiracies
See also Assassination; Gunpowder plot; Popish plot

Refer from Crime and criminals; Criminal law; History

Constables
See also Arrest; Police

Refer from Arrest; Law; Police; Town officers

Constants *see* Units
Constellations *see* Astronomy; Stars
Constitutional history
See also Aristocracy; Cabinet system; Constitutions; Democracy; *also* names of countries and states, subhead Constitution

Refer from Constitutions; Government; History; History, Constitutional (s)

Constitutional law
See also Amendments (parliamentary practice); Civil rights; Constitutions; Democracy; Eminent domain; Executive power; Federal government; Government; Habeas corpus; Injunctions; Jurisdiction; Jury; Legislative bodies; Monarchy; Natural law; Police power; Proportional representation; Referendum; Representative government and representation; Republics; Sovereignty; Suffrage

Refer from Civil rights; Constitutions; Eminent domain; Executive power; Government; Habeas corpus; Jurisdiction; Jury; Law; Police power; Representative government and representation; Sovereignty; U. S. — Constitution

Constitutions
See also Constitutional history; Constitutional law; Government; Representative government and representation; *also* names of countries and states, subhead Constitution

Refer from Constitutional history; Constitutional law; Government; Law

——Apostolic, *see* Apostolic constitutions
——**State**
See also State governments; *also* names of states, subhead Constitution

Refer from State constitutions (s); State governments; States (U. S.); U. S. —Constitution

Construction *see* Architecture; Building; Engineering
Consular service *see* Consuls; Diplomatic and consular service

Consuls
See also Commercial law; Diplomacy; Diplomatic and consular service; Exterritoriality; *also* names of countries, subhead Diplomatic and consular service

Refer from Commercial law; Consular service (s); Diplomacy; Diplomatic and consular service; Diplomats; Exterritoriality; International law; International relations

Consumers' leagues
See also Sweating system

Refer from Boycott; Clothing; Food adulteration and inspection; Hygiene, Public; Labor and laboring classes; Sweating system

Consumption *see* Tuberculosis

Consumption (economics)
See also Commerce; Economics; Industry; Prices; Supply and demand

Refer from Commerce; Economics; Luxury; Supply and demand

Contact action *see* Catalysis

Contagion and contagious diseases
See also Bacteriology; Disinfection and disinfectants; Epidemics; Flies; Fumigation; Germ theory of disease; Immunity; Inoculation; Insects as carriers of contagion; Mosquitoes; Putrefaction; Quarantine; Rats as carriers of contagion; Vaccination; *also* names of diseases, e.g. Black death; Cholera, Asiatic; Diphtheria; Measles; Plague; Scarlet fever; Smallpox; Typhoid fever; Yellow fever

Refer from Contagious diseases (s); Diseases (s); Epidemics; Hygiene, Public; Immunity; Infection and infectious diseases (s); Medicine; Medicine — Practice; Pathology; Putrefaction; Zymotic diseases (s)

Contagious diseases *see* Contagion and contagious diseases

Contemporaries *see* Biography

Contentment
See also Cheerfulness; Happiness

Refer from Ethics; Gladness (s); Happiness; Pleasure

Continents
See also Physical geography

Refer from Geography; Physical geography

Continuation schools *see* Evening and continuation schools

Continuous current machinery *see* Electric machinery

Contraband of war
See also Neutrality; Trent affair, 1861

Refer from Commerce; International law; Maritime law; Neutrality; Prizes (international law); War

Contract labor
See also Coolies; Indentured servants; Padrone system; Peonage

Refer from Indentured servants; Labor and laboring classes; Padrone system; Peonage

Contractions *see* Abbreviations; Ciphers

Contracts
See also Agency; Assignments; Bailments; Bonds; Building — Contracts and specifications; Commercial law; Covenants; Debt; Deeds; Guaranties and sureties; Insurance; Master and servant; Mortgages; Negligence; Partnership; Sale; Trade agreements

Refer from Agency; Agreements (s); Commerce; Commercial law; Law

Contributory negligence *see* Negligence

Controllers, Electric, *see* Electric controllers

Conundrums *see* Riddles

Convalescent homes

Refer from Hospitals; Sanatoriums

Conventions *see* names of bodies holding conventions; or, when not held by any named body, *see* name of convention if distinctive, otherwise name of place of meeting; *also* names of countries and cities, subhead Conventions and public meetings

Conventions, Political, *see* Political conventions

Convents and nunneries
See also Abbeys; Monasteries; Monasticism; Nuns; Religious orders

Refer from Abbeys; Catholic church; Church history; Church property; Cloisters (s); Monasteries; Monasticism; Nunneries (s); Nuns; Sisterhoods

Conversation
See also Table-talk

Refer from Conduct of life; Etiquet; Language; Rhetoric; Self-culture; Society; Speech; Talking (s)

Conversion
See also Christian life and character; Evangelistic work; Grace (theology); Missions; Regeneration (theology); Repentance; Revivals; Salvation

Refer from Christian life and character; Evangelistic work; Missions; Regeneration (theology); Religious experience (s); Repentance; Revivals; Salvation; Theology

Converters, Electric, *see* Electric current converters

Conveyancing
See also Deeds; Forms (in law); Land titles; Mortgages; Real estate; Torrens system

Refer from Commercial law; Deeds; Forms (in law); Land titles; Land transfer (s); Law; Property; Real estate; Sale; Torrens system

Conveying machinery
See also Cableways; Hoisting machinery; Mining machinery; Pneumatic tubes; Telpherage

Refer from Cableways; Conveyors (s); Hoisting machinery; Machinery; Mining machinery; Telpherage

Conveyors *see* Conveying machinery

Convict labor
See also Prisons

Refer from Convicts (s); Crime and criminals; Labor and laboring classes; Prison labor (s); Prisons

Conviction *see* Belief; Certainty

Convicts *see* Convict labor; Crime and criminals; Discharged prisoners; Penal colonies; Prisons

Cook books *see* Cookery

Cookbooks *see* Cookery

Cookery
See also Aladdin oven; Baking; Baking powder; Bread; Breakfasts; Cake; Canning and preserving; Carving (meat, etc.); Catering; Cereals, Prepared; Chafing dish; Coffee; Confectionery; Cookery for the sick; Cooking schools; Desserts; Diet; Dinners and dining; Fireless cookers; Fish as food; Flavoring extracts; Food; Home economics; Kitchen; Luncheons; Menus; Ovens; Pastry; Salads; Sandwiches; Sauces; Soup; Table; Yeast

Refer from Baking; Bread; Breakfasts; Canning and preserving; Carving (meat, etc.); Chemistry, Household; Cook books (s); Cookbooks (s); Cooking (s); Desserts; Diet; Dinners and dining; Domestic arts; Eating; Food; Gastronomy (s); Home economics; Industrial arts; Kitchen; Luncheons; Pastry; Receipts; Recipes (s); Salads; Sauces; Soup; Table

——**Eggs**
——**Meat**
——**Mushrooms**
——**Vegetables**

Refer from Eggs
Refer from Meat
Refer from Mushrooms
Refer from Vegetables

Cookery for the sick
See also Diet

Refer from Cookery; Diet; Food for invalids (s); Invalid cookery (s); Nurses and nursing

Cooking *see* Cookery

Cooking schools

Refer from Cookery

Coolies
See also Labor and laboring classes — China; Labor and laboring classes — India

Refer from Contract labor; Labor and laboring classes

Cooling appliances *see* Refrigeration and refrigerating machinery

Cooperage

Refer from Barrels (s); Casks (s); Manufactures; Staves (s)

Cooperation
See also Benefit societies; Brook Farm; Building and loan associations; Communism;

Refer from Association (s); Commerce; Cooperative stores (s); Economics; Labor and

Cooperative agriculture; Cooperative housekeeping; Labor unions; Profit sharing; Savings banks; Socialism	capital; Labor and laboring classes; Labor unions; Profit sharing; Rochdale system (s); Socialism; Sociology
Cooperative agriculture	*Refer from* Agriculture; Cooperation
Cooperative banks *see* Building and loan associations	
Cooperative building associations *see* Building and loan associations	
Cooperative housekeeping	*Refer from* Cooperation; Home economics; Housekeeping (s)
Cooperative stores *see* Cooperation	
Coordinate geometry *see* Geometry, Analytic	
Copper	
See also Brass; Bronze; Copper mines and mining; Coppersmithing; Metals	*Refer from* Metals; Sheet-metal work
Copper age	
See also Archaeology; Bronze age	*Refer from* Archaeology; Bronze age
Copper mines and mining	*Refer from* Copper; Mines and mineral resources
Coppersmithing	
See also Arts and crafts; Metal coloring	*Refer from* Arts and crafts; Copper; Metal coloring; Metal work
Coptic church	
See also Eastern churches; Egypt — Religion	*Refer from* Eastern churches; Egypt — Religion; Greek church
Coptic language	
See also African languages; Hamitic languages	*Refer from* African languages; Egyptian language; Hamitic languages
Copyright	
See also Authorship; Books; Booksellers and bookselling; Publishers and publishing; Titles of books	*Refer from* Authors; Authorship; Books; Booksellers and bookselling; Intellectual property (s); International copyright (s); Law; Literary property (s); Literature; Playright (s); Property; Property, Intellectual (s); Publishers and publishing
Corals and coral islands	
See also Coelenterata	*Refer from* Coelenterata; Islands
Cordage	
See also Fibers; Knots and splices; Rope	*Refer from* Hemp; Rope
Corn	
See also Feeding and feeding stuffs; Grain	*Refer from* Feeding and feeding stuffs; Forage plants; Grain; Indian corn (s); Maize(s)
Corn laws	*Refer from* Agricultural laws; Agriculture; Economics; England — Economic conditions; Food supply; Tariff; Tariff — England
Corners, Commercial, *see* Monopolies; Speculation; Stock exchange; Trusts	
Cornices	
See also Architecture	*Refer from* Architecture
Cornish language	
See also Celtic languages	*Refer from* Celtic languages
Coronations	
See also Crowns	*Refer from* Crowns; Monarchy; Pageants; Rites and ceremonies
Coroners	*Refer from* County officers; Death; Inquests, Coroners' (s); Law; Local government
Corporal punishment	
See also Flogging; School management	*Refer from* Children — Management; Flogging; Punishment; Rod, The (s); School management; Teaching; Whipping (s)
Corporation law	
See also Commercial law; Municipal law; Railroads — Law; Trusts	*Refer from* Commercial law; Corporations; Government regulation of industry; Law; Municipal law; Trusts

Corporations
See also Bankruptcy; Bonds; Building and loan associations; Clubs; Corporation law; Gilds; Government ownership; Investments; Joint-stock companies; Municipal corporations; Promoting; Public service corporations; Publicity; Receivers; Stocks; Trust companies; Trusts
Refer from Associations (s); Bonds; Business; Capitalization (finance) (s); Charters; Commerce; Finance; Government regulation of industry; Joint-stock companies; Partnership; Promoting; Societies; Stock companies (s); Stocks; Trusts

——Taxation
Refer from Franchise taxation (s); Taxation

Corpulence
Refer from Fat (s); Food; Obesity (s)

Correlation of forces *see* Force and energy

Correspondence *see* Commercial correspondence; Letter writing; Letters; Reporting; War correspondence

Correspondence schools and courses
Refer from Education; Home education; Schools; Self-culture; Technical education; University extension

Corrosion and anti-corrosives
See also Paint; Waterproofing
Refer from Anti-corrosive paint (s); Chemistry, Technical; Electrolysis; Iron; Metal corrosion (s); Metal protection (s); Metals; Paint; Rust (s); Rustless coatings (s); Steel; Steel construction; Waterproofing

Corrupt practices at elections *see* Elections; Political corruption

Corruption in politics *see* Political corruption

Corsairs *see* Pirates

Corundum
See also Abrasives
Refer from Abrasives

Cosmetics
See also Beauty, Personal; Make-up, Theatrical; Perfumery; Toilet
Refer from Beauty, Personal; Complexion (s); Costume; Face; Make-up, Theatrical; Toilet

Cosmogony *see* Universe

Cosmography *see* Universe

Cosmology *see* Universe

Cossacks
See also Russia — History
Refer from Ethnology — Russia; Russia — History

Cost
See also Prices; Value
Refer from Economics; Value

Cost accounting
See also Accounting
Refer from Accounting; Bookkeeping; Factory costs (s); Factory management; Manufactures; Scientific management

Cost of living
See also Prices; Rent; Standard of living; Thrift; Wages
Refer from Economics; Food; Home economics; Household expenses (s); Labor and laboring classes; Living, Cost of (s); Living expenses (s); Poor; Price of food (s); Prices; Social problems; Standard of living; Thrift; Wages

Costs
See also Pleading and practice
Refer from Actions at law; Law; Pleading and practice

Costume
See also Boots and shoes; Church vestments; Clothing; Cosmetics; Dandies; Dress reform; Dressmaking; Fans; Fashion; Gloves; Hairdressing; Hats; Headgear; Hosiery; Jewelry; Livery; Masks (for the face); Millinery; Perfumery; Regalia; Shawls; Toilet; Umbrellas; Uniforms
Refer from Archaeology; Art; Beauty, Personal; Church vestments; Clothing; Dress (s); Ethnology; Fancy dress (s); Fans; Fashion; Gloves; Hairdressing; Hats; Headgear; Manners and customs; Masquerades; Millinery; Regalia; Style (in dress) (s); Toilet; Uniforms; Women

——Academic
Refer from Academic costume (s); Cap and gown (s); Caps and gowns (s); College gowns (s); Colleges and universities; Hoods, Academic (s)

Costume—Continued
——Military, *see* Arms and armor; Uniforms
——U. S.

Refer from U. S.—Costume (s); U. S.—Social life and customs

Cotillion
See also Balls (parties); Dancing

Refer from Balls (parties); Dancing; German (dance) (s)

Cottages
See also Architecture, Domestic; Bungalows; Country houses; Log cabins

Refer from Architecture, Domestic; Architecture, Rural (s); Country houses; Rural architecture (s); Summer cottages (s); Villas (s)

Cotton
See also Dyes and dyeing; Fibers; Khaki; Mercerization; Textile industry and fabrics; Weaving

Refer from Agricultural products; Agriculture — Tropics; Fibers; Textile industry and fabrics; Yarn

——**Cultivation and manufacture**
See also Cotton famine, 1861–1864; Textile factories; Textile industry and fabrics

Refer from Cotton growing (s); Cotton manufacture (s); Cotton mills (s); Textile industry and fabrics

——**Diseases and pests**
See also Boll weevil

Refer from Agricultural pests; Boll weevil; Cotton pests (s); Insects, Injurious and beneficial; Plants — Diseases

Cotton-boll weevil *see* Boll weevil
Cotton famine, 1861–1864

Refer from Cotton — Cultivation and manufacture

Cotton growing *see* Cotton — Cultivation and manufacture
Cotton manufacture *see* Cotton — Cultivation and manufacture
Cotton mills *see* Cotton — Cultivation and manufacture; Textile factories
Cotton pests *see* Cotton — Diseases and pests
Cough
See also Bronchitis; Cold (disease); Respiratory organs — Diseases

Refer from Bronchitis; Cold (disease); Lungs; Respiratory organs — Diseases

Councils and synods
See also Church history; *also* special councils and synods, e.g. Vatican council

Refer from Catholic church — Councils (s); Catholic church — History; Church councils (s); Church history; Church law; Church polity; Ecumenical councils (s); Fathers of the church; Synods (s)

Counterfeits
See also Antiques, Forged; Art forgeries; Bank notes; Forgery; Imposture; Money

Refer from Bank notes; Crime and criminals; Forgery; Fraud; Imposture; Money

Counterpoint
See also Canon (music); Fugue

Refer from Canon (music); Composition (music); Harmony; Music; Music — Theory

Counter-reformation
See also Catholic church — History; Jesuits; Reformation; Thirty years' war

Refer from Anti-reformation (s); Catholic church — History; Reformation

Counting out

Refer from Folklore; Games; Nursery rhymes

Country houses
See also Architecture, Domestic; Bungalows; Cottages; Farm buildings

Refer from Architecture, Domestic; Architecture, Rural (s); Cottages; Farm houses (s); Rural architecture (s); Suburban houses (s); Summer cottages (s); Villas (s)

Country life
See also Camping; City and country; Farm life; Gardening; Hunting; Outdoor life; Pastoral poetry; Peasantry; Simple life; Sports

Refer from City and country; Farm life; Outdoor life; Rural life (s); Simple life

Country schools
See also Schools — Centralization

Refer from District schools (s); Education; Education, Elementary; Public schools; Rural schools (s); Schools

County officers
See also Coroners; Local government; Sheriffs — *Refer from* Law; Local government

County option *see* Local option

Coup d'état of 1851 *see* France — History — Coup d'état

Couplings *see* Car couplings

Courage
See also Heroes — *Refer from* Bravery (s); Conduct of life; Ethics; Fear; Heroes; Heroism (s); Valor (s)

Courses of study *see* Curriculum; Study clubs

Coursing
See also Hares — *Refer from* Hares; Hunting; Sports

Court fools *see* Fools

Court life *see* Courts and courtiers

Courtesy
See also Etiquet — *Refer from* Conduct of life; Ethics; Etiquet; Gentlemen; Manners (s); Politeness (s)

Courtiers *see* Courts and courtiers

Courts
See also Admiralty; Appeal; Chancery; Commercial courts; Courts martial; Judges; Jurisdiction; Jury; Juvenile courts; Law; Moot courts; Pleading and practice; Probate law and practice; Trials; Vigilance committees; *also* names of countries and cities, subhead Courts — *Refer from* Judiciary (s); Jurisdiction; Law; Pleading and practice

——Municipal — *Refer from* Municipal corporations; Municipal courts (s); Police courts (s); U. S.— Courts

Courts and courtiers
See also Diplomatic memoirs; Kings and rulers; Precedence; Princes and princesses; Queens and empresses; *also* names of countries, subhead Court and courtiers — *Refer from* Court life (s); Courtiers (s); Etiquet; Kings and rulers; Monarchy; Princes and princesses; Queens and empresses; Society

Courts martial
See also Military law — *Refer from* Courts; Martial law; Military law; Military trials (s); Trials

Courts of love
See also Troubadours — *Refer from* Chivalry; Love, Courts of (s)

Courtship
See also Love; Marriage — *Refer from* Love; Marriage

Covenanters
See also Church of Scotland; Presbyterianism; Reformation — Scotland; Scotland — Religious history — *Refer from* Church history — Modern; Church of Scotland; Presbyterianism; Reformation — Scotland; Scotland — Religious history

Covenants — *Refer from* Church membership; Church polity; Contracts

Cover crops — *Refer from* Agriculture

Cover design *see* Book covers

Covetousness *see* Avarice

Cow *see* Cows

Cowboys
See also Ranch life — *Refer from* Cattle; Frontier and pioneer life; Live stock; Ranch life; Western states

Cows
See also Cattle; Dairying; Horns; Milk; Milking — *Refer from* Cattle; Cow (s); Dairying; Domestic animals; Live stock; Milk

Cradle songs *see* Lullabies

Crafts *see* Arts and crafts; Handicraft; Industrial arts

Cranes, derricks, etc.
See also Hoisting machinery — *Refer from* Derricks (s); Hoisting machinery; Machinery

Craniology *see* Skull

Cranks (machinery) — *Refer from* Machinery

Crayon drawing
See also Pastel

Refer from Drawing; Portraits

Cream
See also Dairy products; Dairying; Milk

Refer from Dairy products; Dairying; Milk

Cream separators
See also Dairying

Refer from Dairying; Milk; Separators, Cream (s)

Creameries
See also Dairying

Refer from Dairying

Creation
See also Bible — Old Testament — Genesis; Earth; Evolution; Geology; God; Man — Origin and antiquity; Mythology; Religion and science; Teleology; Theology; Universe

Refer from Bible; Bible — Old Testament — Genesis; Earth; Earth — Age; Evolution; Geology; God; Man; Man — Origin and antiquity; Natural religion; Philosophy; Religion and science; Teleology; Theology; Universe

Crèches

Refer from Charities; Children — Charities, protection, etc.; Day nurseries (s); Nurseries, Day (s)

Credit
See also Agricultural credit; Banks and banking; Credit guides; Debt; Debts, Public; Instalment plan; Loans; Money; Negotiable instruments

Refer from Banks and banking; Bills of credit (s); Bills of exchange (s); Business; Commerce; Debt; Economics; Finance; Money; Speculation

Crédit foncier *see* Agricultural credit

Credit guides

Refer from Commercial ratings (s); Credit

Creeds
See also Apostles' creed; Athanasian creed; Catechisms; Nicene creed; *also* names of churches, sects, etc., subhead Catechisms and creeds

Refer from Belief; Catechisms; Church history; Church membership; Confessions of faith (s); Faith; Symbolics (s); Symbolism (theology) (s); Theology

Cremation
See also Urn burial

Refer from Burial; Burning the dead (s); Death; Hygiene, Public; Mortuary customs(s)

Creoles

Refer from Latin races; Louisiana; Southern states

Crests *see* Heraldry

Cretaceous period *see* Geology, Stratigraphic — Cretaceous; Paleontology — Cretaceous

Cribbage
See also Cards

Refer from Cards

Cricket (game)

Refer from Ball (s); Games

Cries *see* Battle cries; Street cries; Yells

Crime and criminals
See also Adulterations; Adultery; Alcoholism; Anarchism and anarchists; Anthropometry; Assassination; Bertillon system; Bribery; Brigands and robbers; Burglary; Capital punishment; Conspiracies; Convict labor; Counterfeits; Criminal law; Dacoits; Defectives; Degeneration; Detectives; Discharged prisoners; Education and crime; Embezzlement; Extradition; Forgery; Fraud; Gambling; Graft; Heredity; Identification; Indeterminate sentence; Infanticide; Juvenile delinquency; Kidnapping; Larceny; Lotteries; Lynch law; Mafia; Murder; Mutiny; Outlaws; Pardon; Parole; Penal colonies; Perjury; Pirates; Police; Political offenses; Prisons; Probation system; Prostitution; Punishment; Reformatories; Regicides; Riots; Smuggling; Suicide; Swindlers and swindling; Thieves; Thugs; Tramps; Treason; Trials; Vice; Vigilance committees; Women — Crime; Workhouses; *also* names of cities, sub-head Crime and criminals

Refer from Anthropology; Biography; Convicts (s); Criminal anthropology (s); Criminal law; Criminals (s); Criminology (s); Dangerous classes (s); Defectives; Degeneration; Dependent classes (s); Ethics; Felony (s); Government; Identification; Immorality (s); Law; Outlaws; Police; Prisons; Punishment; Sin; Social problems; Sociology; Vice

Crime and criminals — Continued
——U. S.
See also Prisons — U. S.

Refer from Prisons — U. S.; U. S.— Crime and criminals (s)

Crimean war
See also Europe — History — 1789-; Russia — History; Turkey — History

Refer from Eastern question (Near East); England — History — Victorian period; Europe — History — 1789-; France — History — Second empire; Russia — History; Russo-Turkish war, 1853-1856 (s); Turkey — History

Criminal anthropology *see* Crime and criminals
Criminal law
See also Arrest; Bail; Capital punishment; Conspiracies; Crime and criminals; Evidence; Extradition; Indeterminate sentence; Jury; Juvenile courts; Law; Ordeals; Perjury; Prisons; Probation system; Punishment; Trials; Vigilance committees; *also* special crimes, e.g. Assault, Murder

Refer from Crime and criminals; Law; Penal codes (s); Penal law (s); Punishment

Criminals *see* Crime and criminals
Criminology *see* Crime and criminals
Crises, Commercial, *see* Business depression; Panics
Critical philosophy
See also Philosophy, German

Refer from Kantianism (s); Philosophy; Philosophy, Critical (s); Philosophy, German

Criticism
See also Art — Criticism; Bible — Criticism and interpretation; Book reviews; Esthetics; Literature — History and criticism; Music — History and criticism; Rhetoric; *also* names of literatures, subhead History and criticism

Refer from Appraisal of books (s); Book reviews; Books — Appraisal (s); Esthetics; Evaluation of literature (s); Literary criticism (s); Literature; Literature — History and criticism; Rhetoric

Crocheting
See also Fancy work

Refer from Fancy work; Needlework

Crockery *see* Pottery
Cromlechs

Refer from Archaeology; Dolmens (s); Monuments; Tombs

Crop reports *see* Agriculture — Statistics; Agriculture — [country subhead] — Statistics
Crop rotation *see* Rotation of crops
Crops
See also Agricultural products; Agriculture; Agriculture — Statistics; Rotation of crops; *also* names of special crops, e.g. Root crops

Refer from Agricultural products; Agriculture

Croquet

Refer from Games

Cross
See also Christian art and symbolism; Crucifixion; Swastika; Symbolism

Refer from Archaeology; Christian art and symbolism; Crosses (s); Crucifixion; Jesus Christ; Legends; Symbolism; Theology

Cross-country running *see* Running
Cross-examination *see* Witnesses
Cross-ties *see* Railroads — Ties
Crosses *see* Cross
Crossings, Railroad, *see* Railroads — Crossings
Croup
See also Respiratory organs — Diseases

Refer from Children — Diseases; Medicine — Practice; Respiratory organs — Diseases

Crowds
See also Lynch law; Riots; Social psychology

Refer from Mobs (s); Psychology; Social psychology; Sociology

Crown gall

Refer from Fruit — Diseases and pests; Fungi; Galls (botany)

Crown lands *see* Public lands

Crowns
See also Coronations — *Refer from* Coronations; Regalia

Crucifixion
See also Cross; Jesus Christ — Passion — *Refer from* Cross; Punishment

Cruelty
See also Animals — Treatment — *Refer from* Ethics

Cruisers *see* Warships

Crusades
See also Children's crusade; Chivalry; Middle ages — History; Saracens — *Refer from* Children's crusade; Chivalry; Church history — Middle ages; History; Middle ages — History; Saracens

Crusoe stories *see* Castaways

Crustacea
See also Arthropoda; Trilobites — *Refer from* Arthropoda; Invertebrates; Marine zoology; Trilobites

Cryptogams
See also Algae; Botany; Ferns; Fungi; Lichens; Mosses — *Refer from* Algae; Botany; Bryophytes (s); Ferns; Fungi; Lichens; Mosses

Cryptography *see* Ciphers

Crypts
See also Tombs — *Refer from* Church architecture; Tombs

Crystal gazing — *Refer from* Divination; Fortune telling; Occult sciences

Crystallization *see* Crystallography

Crystallography
See also Mineralogy — *Refer from* Chemistry; Chemistry, Physical; Crystallization (s); Groups, Theory of; Mineralogy

Cultivated plants *see* Plants, Cultivated

Cultivating *see* Tillage

Cultivation of vacant lots *see* Vacant lot cultivation

Culture
See also Civilization; College education, Value of; Education; Humanism; Scholars; Self-culture — *Refer from* Civilization; College education, Value of; Conduct of life; Education; Learning (s); Scholars; Scholarship (s)

——Primitive, *see* Civilization — History

Culverts
See also Bridges — *Refer from* Arches; Bridges; Hydraulic engineering; Railroads — Construction

Cumberland, Army of the, *see* Army of the Cumberland

Cumberland road — *Refer from* National road (s); Roads — U. S.; Middle states

Cuneiform writing
See also Assyrian language; Assyro-Babylonian literature — *Refer from* Alphabet; Assyrian language; Assyro-Babylonian literature; Inscriptions; Writing

Cup races *see* America's cup; Yachts and yachting

Cupola furnaces
See also Foundry work — *Refer from* Blast furnaces; Foundry work; Furnaces; Tuyeres (s)

Cupping
See also Bloodletting — *Refer from* Bloodletting; Therapeutics

Curates *see* Clergy

Curfew law — *Refer from* Children — Law

Curling
See also Winter sports — *Refer from* Games; Winter sports

Currency *see* Money

Currents *see* Electric currents; Ocean currents; Winds

Currents, Alternating, *see* Electric currents, Alternating

Curriculum
See also Classical education; Overpressure (education); Vocational education

Refer from Classical education; Colleges and universities; Courses of study (s); Education; Overpressure (education); Schools; Teaching

Curved surfaces *see* Surfaces
Curves
See also Circle; Conic sections; Curves in engineering

Refer from Calculus; Conic sections; Geometry; Geometry, Analytic

Curves in engineering
See also Civil engineering

Refer from Civil engineering; Curves; Engineering; Railroads — Construction

Customs *see* Manners and customs; Tariff
Cut glass *see* Glass
Cutaneous diseases *see* Skin — Diseases
Cutlery
See also Knives

Refer from Hardware; Knives; Manufactures; Metal work

Cutter classification *see* Classification, Expansive
Cutting *see* Dressmaking; Garment cutting; Tailoring
Cutworms

Refer from Insects, Injurious and beneficial; Moths

Cyanide process
See also Metallurgy

Refer from Electrometallurgy; Gold; Metallurgy; Ore treatment; Silver

Cyanotype *see* Blue prints
Cycles, Motor, *see* Motor cycles
Cycling
See also Bicycles and tricycles; Motor cycles

Refer from Bicycles and tricycles; Bicycling (s); Locomotion; Sports; Tricycling (s); Wheeling (s)

Cyclones
See also Hurricanes; Storms; Tornadoes

Refer from Hurricanes; Meteorology; Storms; Tornadoes; Winds

Cyclopedias *see* Encyclopedias
Cycloramas
See also Panoramas

Refer from Panoramas

Cymric language *see* Welsh language
Cymric literature *see* Welsh literature
Cyphers *see* Ciphers
Cytokinesis *see* Karyokinesis
Cytology *see* Cells
Czechic language *see* Bohemian language
Czechic literature *see* Bohemian literature
Czechs
See also Bohemia; Slavs

Refer from Bohemia; Slavs

Dacoits

Refer from Brigands and robbers; Crime and criminals; Dakoits (s); Murder

Daguerreotypes
See also Photography

Refer from Photography

Daily readings

Refer from Calendars; Devotional exercises; Quotations

Dairy *see* Dairying
Dairy bacteriology
See also Bacteriology, Agricultural; Cheese; Milk

Refer from Bacteriology; Bacteriology, Agricultural; Cheese; Chemistry, Dairy (s); Dairy chemistry (s); Dairying; Milk

Dairy chemistry *see* Agricultural chemistry; Dairy bacteriology
Dairy products
See also Butter; Cheese; Cream; Dairying; Milk; Oleomargarine

Refer from Agricultural products; Animal products; Butter; Cheese; Cream; Dairying; Milk

Dairying
See also Butter; Cattle; Cheese; Cows; Cream; Cream separators; Creameries; Dairy bacteriology; Dairy products; Goats; Milk; Milking

Refer from Agriculture; Butter; Cattle; Cheese; Cows; Cream; Cream separators; Creameries; Dairy (s); Dairy products; Home economics; Milk; Milking

Dakoits *see* Dacoits
Daltonism *see* Color blindness
Damages
See also Appraising; Arbitration and award; Demurrage; Eminent domain; Employers' liability; Indemnity; Libel and slander; Negligence

Refer from Accidents; Agency; Appraising; Arbitration and award; Compensation (s); Demurrage; Eminent domain; Employers' liability; Indemnity; Injuries (s); Law; Negligence; Property; Torts

Damascening *see* Damaskeening
Damaskeening

Refer from Damascening (s); Inlay; Metal work

Dampness in buildings

Refer from Buildings, Dampness in (s); Humidity; Waterproofing

Dams
See also Cofferdams; Embankments; Hydraulic engineering; Irrigation; Masonry; Reservoirs; Walls

Refer from Earthwork; Hydraulic engineering; Irrigation; Masonry; Reservoirs; Rivers; Walls; Water supply; Weirs (s)

Dance music
See also Dancing; Waltzes

Refer from Dancing; Instrumental music; Music; Waltzes

Dancing
See also Ballet; Balls (parties); Cotillion; Dance music; Indians — Dances; Morris dance

Refer from Amusements; Ballet; Balls (parties); Cotillion; Dance music; Ethics; Etiquet; Folk dances (s); Morris dance; Waltzing (s)

Dandies

Refer from Beaux (s); Costume; Fashion; Fops (s)

Danegeld
See also Taxation — England

Refer from Taxation

Danes in the U. S.
See also Scandinavians in the U. S.

Refer from Scandinavians in the U. S.; U. S. — Foreign population

Dangerous classes *see* Crime and criminals; Poor
Dangerous occupations *see* Occupations, Dangerous
Danish language
See also Scandinavian languages

Refer from Germanic languages; Scandinavian languages

Danish literature
See also Norwegian literature; Scandinavian literature

Refer from Norwegian literature; Scandinavian literature

Darbyites *see* Plymouth brethren
Dark ages *see* Middle ages
Darning *see* Mending and repairing
Darwinism *see* Darwin, Charles; Evolution; Natural selection
Dates *see* Chronology, Historical
Day nurseries *see* Crèches
Day of judgment *see* Judgment day
Dayaks *see* Dyaks
Daylight saving

Refer from Hours of labor; Time

Days
See also Almanacs; Birthdays; Fasts and feasts; Festivals; Holidays; Night; *also* names of days of the week, and of special days, e.g. April fools' day; May day

Refer from Time

Deaconesses

Refer from Church polity; Church work; Sisterhoods; Women

Deacons
For deacons in orders *see* Clergy — *Refer from* Church polity

Dead *see* Death

Deaf and dumb
See also Deafness; Defectives; Lip reading; Sign language — *Refer from* Consanguinity; Deaf-mutes (s); Deafness; Defectives; Dumb (s); Ear; Lip reading; Sign language; Speech

——**Asylums and education** — *Refer from* Asylums; Charities; Charities, Medical; Education

Deaf-mutes *see* Deaf and dumb

Deafness
See also Deaf and dumb; Ear; Hearing — *Refer from* Deaf and dumb; Ear; Hearing; Medicine — Practice

Death
See also Autopsy; Biology; Burial; Consolation; Coroners; Cremation; Embalming; Eschatology; Funeral rites and ceremonies; Future life; Future punishment; Heaven; Hell; Mortality; Mourning customs; Murder; Purgatory; Resurrection; Suicide; Vital statistics — *Refer from* Biology; Dead (s); Eschatology; Future life; Life; Mortality; Mortuary customs (s); Theology

——Apparent, *see* Suspended animation

Death-bed words *see* Last words of famous people

Death duties *see* Inheritance and transfer tax

Death notices *see* Obituaries

Death penalty *see* Capital punishment

Death rate *see* Mortality; Vital statistics

Death records *see* Vital records

Debates *see* Debating; *also* names of legislative bodies, etc.

Debating
See also Elocution; Logic; Oratory; Parliamentary practice — *Refer from* Argument (s); Debates (s); Discussion (s); Elocution; Logic; Oratory

Debt
See also Assignments; Bankruptcy; Commercial law; Credit; Debts, Public; Limitations (law); Loans — *Refer from* Bankruptcy; Commerce; Commercial law; Credit; Contracts; Law; Loans

Debts, Public
See also Drago doctrine; Finance; Loans; Repudiation; Sinking funds; *also* names of countries and cities, subhead Finance — *Refer from* Bonds; Credit; Debt; Economics; Finance; National debts (s); Public debts (s); Repudiation; State debts (s)

Decadence *see* Degeneration

Decalogue *see* Commandments

Decimal classification *see* Classification, Decimal

Decimal system
See also Metric system; Weights and measures — *Refer from* Arithmetic; Metric system; Money; Notation (mathematics); Weights and measures

Declamation *see* Elocution; Orations; Recitations and readings

Declaration of independence
See also Fourth of July; U. S. — History — Revolution — *Refer from* Fourth of July; U. S. — History — Revolution

——**Signers** — *Refer from* Signers of the Declaration of independence (s); U. S. —Biography; U. S. — History — Revolution — Biography

Declination of the compass *see* Compass

Decoration and ornament
See also Arabesque; Architectural design; Architecture; Art; Arts and crafts; Bas-relief; Bric-a-brac; Bronzes; Bronzing; Cabinet work; Carving (art industries); China painting; Church decoration and ornament; Design, Decorative; Devices; — *Refer from* Arabesque; Architecture; Art; Art, Decorative (s); Arts and crafts; Bric-a-brac; Cabinet work; Design, Decorative; Drawing; Fancy work; House decoration; Ornament (s); Painting; Wood carving

Embroidery; Enamel; Fancy work; Floral decoration; Frescoes; Furniture; Gems; House decoration; Illumination of manuscripts and books; Illustration of books; Inlay; Ironwork; Jewelry; Lettering; Metal work; Moldings; Monograms; Mosaics; Mural painting and decoration; Painting; Plant forms; Pottery; School decoration; Sculpture; Stained glass; Stencil work; Stucco; Tapestry; Terra cotta; Textile design; Vases; Window dressing; Wood carving

Decoration day *see* Memorial day

Decorations of honor

See also Heraldry; Insignia; Medals; Titles of honor and nobility; Victoria cross

Refer from Badges of honor (s); Heraldry; Insignia; Medals; Titles of honor and nobility

Decorative design *see* Design, Decorative

Dedication of books *see* Book dedication

Dedication of churches *see* Church dedication

Deeds

See also Acknowledgments; Charters; Conveyancing; Easements; Gifts; Land titles; Real estate; Torrens system

Refer from Acknowledgments; Commercial law; Contracts; Conveyancing; Documents (s); Forms (in law); Land; Land titles; Real estate

Deep-sea fauna *see* Marine zoology

Deep-sea sounding *see* Sounding and soundings

Deer

See also Reindeer; Ungulata

Refer from Cervidae (s); Game; Hunting; Ungulata

Defalcation *see* Embezzlement

Defamation *see* Libel and slander

Defectives

See also Auxiliary schools; Blind; Children, Abnormal and backward; Crime and criminals; Deaf and dumb; Deformities; Degeneration; Feeble-minded; Idiocy; Insanity; Juvenile delinquency

Refer from Auxiliary schools; Blind; Children, Abnormal and backward; Crime and criminals; Deaf and dumb; Deformities; Degeneration; Dependent classes (s); Feeble-minded; Heredity; Idiocy; Insanity; Juvenile delinquency; Mentally deficient children (s); Social problems; Sociology

Defenses, National, *see* Coast defense; *also* names of countries, subhead Defenses

Definition

Refer from Language; Words

Deformities

See also Defectives; Monsters

Refer from Defectives; Monsters; Orthopedics (s); Physiology; Surgery; Teratology (s)

Degeneration

See also Crime and criminals; Defectives; Evolution; Heredity; Insanity; Physical deterioration; Vice

Refer from Anthropology; Civilization; Consanguinity; Crime and criminals; Decadence (s); Defectives; Eugenics; Evolution; Heredity; Insanity; Physical deterioration; Physiology; Vice

Degrees, Academic

Refer from Academic degrees (s); Bachelor's degrees (s); College degrees (s); Colleges and universities; Doctor's degrees (s); Honorary degrees (s); Scholars; Titles of honor and nobility; University degrees (s)

Degrees of latitude and longitude *see* Geodesy; Latitude and longitude

Dehorning of cattle *see* Horns

Deism

See also Atheism; Christianity; Free thought; God; Positivism; Rationalism; Skepticism; Theism

Refer from Atheism; Christianity; Free thought; God; Natural religion; Philosophy; Rationalism; Religion; Skepticism; Theism; Theology

Delaware Indians

See also Algonquian Indians

Refer from Algonquian Indians; Lenape Indians (s); Lenni Lenape (s)

Delinquent children *see* Juvenile delinquency

Delsarte system
See also Expression
Refer from Dramatic expression (s); Elocution; Expression; Gesture; Physical education

Deltas
See also Physical geography
Refer from Physical geography; Rivers

Deluge
See also Bible — Old Testament — Genesis
Refer from Bible; Bible — Old Testament — Genesis; Earth; Flood (s); Geology

Delusions *see* Errors, Popular; Illusions and hallucinations; Imposture; Medical delusions; Sea serpents; Superstition; Swindlers and swindling; Witchcraft

Demand and supply *see* Supply and demand

Dementia *see* Insanity

Democracy
See also Aristocracy; Despotism; Equality; Federal government; Government; Liberty; Monarchy; Referendum; Representative government and representation; Republics; Socialism; Suffrage; Town meeting
Refer from Aristocracy; Constitutional history; Constitutional law; Despotism; Equality; Federal government; Free institutions; Government; Liberty; Monarchy; People; Popular government (s); Presidential government (s); Representative government and representation; Republics; Self-government (s)

Democratic party
See also Tammany Hall; U. S. — Politics
Refer from Political parties; U. S. —Politics

Demonetization of silver *see* Silver (as money)

Demonology
See also Amulets; Apparitions; Charms; Devil; Devil worship; Evil eye; Magic; Occult sciences; Superstition; Witchcraft
Refer from Angels; Apparitions; Devil; Devil worship; Evil spirits (s); Ghosts; Occult sciences; Spirits (s); Superstition; Witchcraft

Demonstration work in agriculture *see* Agriculture — Demonstration work

Demurrage
See also Carriers; Damages
Refer from Admiralty; Carriers; Damages; Freight; Transportation

Denatured alcohol *see* Alcohol, Denatured

Dendrology *see* Trees

Denominational schools *see* Church and education; Church schools

Denominations, Religious, *see* Sects; *also* names of churches and sects

Density *see* Specific gravity

Dentistry
See also Dentists; Mouth; Teeth
Refer from Medicine; Professions; Surgery; Teeth

Dentists
Refer from Biography; Dentistry

Denudation *see* Erosion

Department stores
See also Mail order business
Refer from Business; Competition; Stores (s)

Departmental system of teaching *see* Teaching — Departmental system

Dependencies *see* Colonies and colonization

Dependent children *see* Children — Charities, protection, etc.

Dependent classes *see* Charities; Crime and criminals; Defectives; Poor

Deportation *see* Penal colonies

Deposition (geology) *see* Sedimentation and deposition

Depots *see* Railroads — Stations

Depravity
See also Sin
Refer from Sin; Theology; Total depravity (s)

Dermatology *see* Skin

Derricks *see* Cranes, derricks, etc.

Dervishes *See also* Mohammedanism	*Refer from* Mohammedanism; Religions
Descent *see* Genealogy; Heredity; Primogeniture	
Description (rhetoric) *see* Descriptive writing	
Descriptive geometry *see* Geometry, Descriptive	
Descriptive writing *See also* Rhetoric	*Refer from* Description (rhetoric) (s); Rhetoric
Desecration *see* Sacrilege	
Desert vegetation *See also* Dry farming	*Refer from* Botany; Deserts; Dry farming
Deserts *See also* Desert vegetation; Mirage; Oases; Reclamation of land	*Refer from* Oases; Physical geography
Design, Architectural, *see* Architectural design	
Design, Argument for, *see* Teleology	
Design, Decorative *See also* Architectural design; Art; Arts and crafts; Book covers; Carving (art industries); Decoration and ornament; Drawing; Lettering; Plant forms; Stencil work; Textile design	*Refer from* Art; Art, Decorative (s); Arts and crafts; Book covers; Decoration and ornament; Decorative design (s); Drawing; Floral design (s); Ornamental design (s); Plant forms
Design, Machine, *see* Machine design	
Des Moines plan of city government *see* Municipal government — Commission plan	
Despotism *See also* Democracy; Kings and rulers; Liberty; Monarchy; Paternalism; Tyranny	*Refer from* Absolutism (s); Caesarism (s); Democracy; Government; Monarchy; Paternalism; Tyranny
Desserts *See also* Cookery; Dinners and dining; Ices	*Refer from* Cookery; Dinners and dining
Destiny *see* Fate and fatalism	
Details, Architectural, *see* Architecture — Details	
Detective stories	*Refer from* Detectives; Fiction
Detectives *See also* Detective stories; Police; Secret service	*Refer from* Crime and criminals; Police; Secret service
Determinants *See also* Algebra	*Refer from* Algebra
Determinism *see* Freedom of the will	
Determinism, Economic, *see* Economic determinism	
Detroit plan *see* Vacant lot cultivation	
Development *see* Embryology; Evolution; Growth	
Devices *See also* Emblems; Heraldry; Insignia; Mottoes; Symbolism	*Refer from* Coats of arms (s); Decoration and ornament; Emblems; Heraldry; Insignia; Mottoes; Symbolism
Devil *See also* Demonology; Devil worship	*Refer from* Demonology; Folklore; Satan (s); Superstition; Theology
Devil worship *See also* Demonology; Occult sciences	*Refer from* Demonology; Devil; Worship
Devonian period *see* Geology, Stratigraphic — Devonian; Paleontology — Devonian	
Devotion *see* Devotional exercises; Prayer; Worship	
Devotional exercises *See also* Church music; Church services; Consolation; Daily readings; Family wor-	*Refer from* Christian life and character; Church services; Devotion (s); Family wor-

ship; Hymns; Liturgies; Lord's prayer; Lord's supper; Meditations; Prayers; Responsive worship; Worship	ship; Meditations; Prayer; Prayers; Religion; Religious services (s); Worship
Dew	
See also Humidity	*Refer from* Humidity; Meteorology; Night; Water
Dewey classification *see* Classification, Decimal	
Diabetes	*Refer from* Medicine — Practice
Diagnosis	
See also Auscultation; Medicine — Practice; Pain; Pathology; Sphygmograph; X rays	*Refer from* Auscultation; Medicine; Medicine — Practice; Pathology; Surgery; Symptoms (s)
Dialect recitations *see* Recitations and readings, Dialect	
Dialectics *see* Logic	
Dialects	
See also Slang; *also* names of languages, subhead Dialects	*Refer from* Language
Dialing *see* Sundials	
Dialogues	
See also Recitations and readings	*Refer from* Amateur theatricals; Drama; Literature; Recitations and readings
Dials *see* Sundials	
Diamagnetism	
See also Magnetism	*Refer from* Magnetism; Physics
Diamond drilling *see* Boring; Rock drills	
Diamond necklace affair	
See also Marie Antoinette	*Refer from* France — History — Bourbons; Marie Antoinette
Diamonds	
See also Gems; Mineralogy; Precious stones	*Refer from* Carbon; Gems; Mineralogy; Precious stones
Dice	*Refer from* Gambling; Games
Dictionaries	
See also Classical dictionaries; Dictionaries, English; Encyclopedias; Technical dictionaries; *also* subhead Dictionaries under names of languages other than English, and under special subjects	*Refer from* Encyclopedias; Lexicons (s); Reference books
——English	
See also English language — Dialects; Synonyms and antonyms, English	*Refer from* Dictionaries; English dictionaries (s); English language; English language — Dictionaries (s)
Didactics *see* Teaching	
Dies	
See also Forging; Metal work; Punching machinery; Sheet-metal work	*Refer from* Forging; Metal work; Punching machinery; Sheet-metal work
Diet	
See also Animal food; Beverages; Children — Care and hygiene; Cookery; Cookery for the sick; Digestion; Dyspepsia; Food; Menus; Nutrition; School lunches; Starvation; Stimulants; Vegetarianism	*Refer from* Cookery; Cookery for the sick; Digestion; Eating; Food; Food for invalids(s); Home economics; Hygiene; Invalids; Nurses and nursing; Nutrition; Therapeutics
Differential calculus *see* Calculus	
Diffraction	
See also Light	*Refer from* Light
Digestion	
See also Absorption (physiology); Diet; Digestive system; Dyspepsia; Enzymes; Food; Metabolism; Nutrition; Stomach	*Refer from* Absorption (physiology); Diet; Digestive system; Dyspepsia; Food; Indigestion (s); Metabolism; Nutrition; Physiological chemistry; Physiology; Stomach
Digestive system	
See also Anatomy; Digestion; Intestines; Liver; Mouth; Physiology; Stomach; Teeth	*Refer from* Alimentary canal (s); Anatomy; Digestion; Intestines; Liver; Physiology; Stomach
Dikes (engineering) *see* **Embankments**	

Dikes (geology)
See also Igneous rocks

Refer from Dykes (s); Geology; Igneous rocks

Dimension, Fourth, *see* Fourth dimension
Dining *see* Dinners and dining
Dinners and dining
See also After-dinner speeches; Carving (meat, etc.); Cookery; Desserts; Drinking customs; Eating; Food; Menus; Table; Toasts

Refer from Banquets (s); Cookery; Desserts; Dining (s); Drinking customs; Eating; Entertaining; Etiquet; Food; Gastronomy (s); Home economics; Meals (s); Menus; Table

Diocesan schools *see* Church schools
Dioptrics *see* Refraction
Diphtheria
See also Antitoxins

Refer from Children — Diseases; Contagion and contagious diseases; Medicine — Practice

Diplomacy
See also Ambassadors; Consuls; Diplomatic and consular service; Diplomatic memoirs; Diplomats; International law; International relations; Precedence; Treaties; *also* names of countries, subheads Diplomatic and consular service and Foreign relations

Refer from Ambassadors; Consuls; Diplomatic and consular service; Government; History; International law; International relations; Ministers of state; Statesmanship (s); Treaties

Diplomatic and consular service
See also Ambassadors; Consuls; Diplomacy; Diplomatic memoirs; Diplomats; Exterritoriality; International law; International relations; *also* names of countries, subhead Diplomatic and consular service

Refer from Ambassadors; Consular service (s); Consuls; Diplomacy; Diplomats; Government; International law; International relations; Legations (s)

Diplomatic memoirs

Refer from Biography; Courts and courtiers; Diplomacy; Diplomatic and consular service; History — Sources; International relations

Diplomatics *see* Paleography
Diplomats
See also Ambassadors; Consuls

Refer from Ambassadors; Biography; Diplomacy; Diplomatic and consular service; International relations; Statesmen

Dipsomania *see* Alcoholism
Diptera
See also Flies; Hessian flies; Insects; Mosquitoes; Tsetse flies

Refer from Flies; Insects; Mosquitoes

Direct legislation *see* Referendum
Direct nominations *see* Nominations; Primaries
Direct primaries *see* Primaries
Direct taxation *see* Income tax; Taxation
Direction, Sense of, *see* Orientation
Directories
See also names of places and subjects, subhead Directories
Directory, French, *see* French revolution
Dirigible balloons *see* Airships
Disarmament
See also Arbitration, International; Armies; International relations; Militarism; Navies; Peace; Sea power; War

Refer from Arbitration, International; Armaments (s); Armies; International relations; Militarism; Military art and science; Military power (s); Navies; Peace; Sea power; War

Disasters
See also Accidents; Collisions at sea; Earthquakes; Fires; Floods; Mine accidents; Railroads — Accidents; Red cross; Shipwrecks; Storms; *also* special disasters

Refer from Accidents: History; Relief work (s)

Discharged prisoners
See also Parole

Refer from Convicts (s); Crime and criminals; Ex-convicts (s); Parole; Prisoners, Discharged (s); Prisons; Social work

Disciples of Christ	*Refer from* Campbellites (s); Christian church (Disciples) (s); Church of Christ (Disciples) (s); Sects
Discipline, Ecclesiastical, *see* Church discipline	
Discipline, Mental, *see* Mental discipline	
Discipline, School, *see* School management	
Discount	
See also Banks and banking; Interest	*Refer from* Banks and banking; Interest
Discoverers *see* Discoveries and explorations; Explorers; Inventors	
Discoveries (in geography) *see* Discoveries and explorations	
Discoveries (in science) *see* Industrial arts; Inventions; Patents; Science	
Discoveries and explorations	
See also Antarctic regions; Arctic regions; Explorers; Geography — History; Northeast passage; Northwest passage; Scientific expeditions; Voyages and travels; *also* names of countries, subheads Description and travel and Discovery and exploration	*Refer from* Adventure; Discoverers (s); Discoveries (in geography) (s); Explorations (s); Explorers; Geography; Geography — History· Heroes; History; Voyages and travels
Discussion *see* Debating	
Disease *see* Pathology	
Disease germs *see* Bacteriology; Germ theory of disease	
Diseases *see* Medicine — Practice; *also* names of diseases and of classes of diseases, e.g. Contagion and contagious diseases, Mental diseases; and subhead Diseases under various subjects, e.g. Children — Diseases, Nervous system — Diseases, Occupations — Diseases and hygiene	
Diseases of animals *see* Animals — Diseases; Veterinary medicine	
Diseases of plants *see* Plants — Diseases	
Disestablishment *see* Church and state; Church of England — Establishment	
Disfranchisement *see* Suffrage	
Dishonesty *see* Honesty	
Disinfection and disinfectants	
See also Antiseptics; Formaldehyde; Fumigation; Putrefaction	*Refer from* Antiseptics; Cleanliness; Contagion and contagious diseases; Formaldehyde; Fumigation; Cermicides (s); Hygiene; Hygiene, Public; Putrefaction; Sanitation
Dislocations	*Refer from* Bones; Joints; Luxations (s); Surgery
See also Bones; Joints; Radiography; Surgery; X rays	
Dispensaries	
See also Charities, Medical; Hospitals	*Refer from* Charities; Charities, Medical; Hospitals
Dispensary system	
See also Gothenburg system	*Refer from* Gothenburg system; Liquor laws; Liquor traffic
Dispensatories	
See also Materia medica; Pharmacopoeias	*Refer from* Drugs; Materia medica; Medical botany; Pharmacopoeias; Pharmacy
Disposal of refuse *see* Refuse and refuse disposal	
Dissection	
See also Anatomy; Anatomy, Comparative; Autopsy; Vivisection	*Refer from* Anatomy; Surgery; Vivisection
Dissenters	
See also Brownists; Church of England; Church rates; Congregationalism; England — Religious history; Friends, Society of; Methodism; Nonjurors; Presbyterianism; Puritans	*Refer from* Brownists; Church history; Church history — Modern; Church of England; Congregationalism; Liberty of conscience; Nonconformists (s); Puritans; Sects

Dissociation
See also Chemistry, Physical; Electrochemistry; Electrolysis; Electrolytes; Electrons; Ions

Refer from Chemistry; Chemistry, Physical; Electrochemistry; Electrolysis; Ions; Matter

Distances

Refer from Geography

Distillation
See also Alcohol; Brandy; Chemistry, Technical; Coal-tar products; Essences and essential oils; Liquors; Wood distillation

Refer from Alcohol; Boiling points; Brandy; Chemistry, Technical; Coal-tar products; Evaporation; Liquors

Distribution of animals and plants *see* Geographical distribution of animals and plants
Distribution of electricity *see* Electricity — Distribution
Distribution of seed by the government *see* Seeds — Distribution
Distribution of wealth *see* Economics; Wealth
District nurses *see* Nurses and nursing
District schools *see* Country schools
Dividends *see* Securities; Stocks

Divination
See also Astrology; Clairvoyance; Crystal gazing; Divining rod; Dreams; Fortune telling; Occult sciences; Omens; Palmistry; Prophecies; Second sight; Superstition

Refer from Augury (s); Fortune telling; Occult sciences; Omens; Prophecies; Superstition

Divine healing *see* Faith cure; Miracles

Divine right of kings
See also Monarchy

Refer from Government; Kings and rulers; Monarchy

Diving
See also Diving bells; Pearls; Swimming

Refer from Baths and bathing; Swimming

Diving bells

Refer from Diving

Divining rod

Refer from Divination; Folklore; Water, Underground

Divinity *see* Jesus Christ — Divinity; Theology
Divinity schools *see* Theological schools

Divorce
See also Marriage

Refer from Church law; Domestic relations; Ethics; Family; Law; Marriage; Social problems; Sociology; Women — Law

Docks
See also Civil engineering; Harbors; Wharves

Refer from Civil engineering; Dry docks (s); Engineering; Harbors; Hydraulic engineering; Wharves

Doctors *see* Physicians and surgeons
Doctor's degrees *see* Degrees, Academic
Doctrinal theology *see* Theology
Doctrines *see* Theology
Documents *see* Archives; Charters; Deeds; Government publications; *also* under name of body issuing
Dog *see* Dogs
Dog stories *see* Dogs — Stories

Doges
See also Genoa; Venice

Refer from Genoa; Kings and rulers; Venice

Dogmatic theology *see* Theology

Dogs
See also Carnivora; Domestic animals; Hydrophobia; Veterinary medicine; *also* names of varieties of dogs

Refer from Carnivora; Dog (s); Domestic animals; Hunting; Hydrophobia; Pets; Veterinary medicine

——Stories

Refer from Animals — Stories; Dog stories (s)

Dolls

Refer from Toys

Dolmens *see* Cromlechs
Domain, Eminent, *see* Eminent domain

Domes
See also Architecture; Roofs

Refer from Architecture; Roofs; Vaulting

Domesday book

Refer from Doomsday book (s); England — History — Normans; Land tenure —England; Taxation — England

Domestic animals
See also Animals — Treatment; Barns and stables; Breeding; Cage birds; Cats; Cattle; Cows; Dogs; Domestication; Goats; Horse; Live stock; Pets; Pigeons; Poultry; Sheep; Swine; Veterinary medicine; Zoology

Refer from Agriculture; Animal industry (s); Animals; Animals — Diseases; Animals, Domestic (s); Animals, Useful and harmful (s); Beasts (s); Breeding; Cats; Dogs; Domestication; Farm animals (s); Horse; Live stock; Pets; Quadrupeds; Veterinary medicine; Zoology; Zoology, Economic

Domestic animals — Diseases, *see* Veterinary medicine; *also* names of animals and of diseases
Domestic architecture *see* Architecture, Domestic

Domestic arts
See also Arts and crafts, and references under that subject; Basketwork; Canning and preserving; Cookery; Dressmaking; Embroidery; Fancy work; Handicraft; Home economics; Lace; Millinery; Needlework; Rugs; Weaving

Refer from Arts and crafts; Handicraft; Home economics; Household arts (s); Industrial arts

Domestic economy *see* Home economics
Domestic education *see* Home economics — Study and teaching; Home education
Domestic hygiene *see* Sanitation, Household

Domestic relations
See also Divorce; Family; Guardians; Husbands; Marriage; Master and servant; Parents; Wives

Refer from Family; Guardians; Husband and wife (s); Husbands; Law; Marriage: Master and servant; Parents; Wives

Domestic science *see* Home economics
Domestic service *see* Servants
Domestication
See also Animals — Training; Domestic animals; Plants, Cultivated

Refer from Animals — Training; Domestic animals; Zoology

Domestics *see* Servants
Dominicans
See also Monasticism

Refer from Friars preachers (s); Monasticism; Preaching friars (s)

Dominion of the sea *see* Maritime law; Sea power
Dominoes

Refer from Games

Donatists
See also Church history — Early church

Refer from Church history — Early church

Doomsday book *see* Domesday book
Doors
See also Architecture; Gates; Grilles; Lattice

Refer from Architecture; Building; Carpentry

Dorr rebellion, 1842
See also Rhode Island — History

Refer from Rhode Island — History

Double consciousness *see* Personality
Double personality *see* Personality
Double stars *see* Stars
Doubt *see* Belief; Faith; Skepticism
Doukhobors *see* Dukhobors
Douma *see* Russia — Duma
Doves *see* Pigeons
Draft, Mechanical, *see* Mechanical draft
Draft riot, 1863

Refer from Conscription; New York (city) — History; New York (city) — Riots; Riots; U. S.— History — Civil war

Drafting, Mechanical, *see* Mechanical drawing
Drafting, Military, *see* Conscription

Drafting room practice
See also Card system in business; Machine design; Mechanical drawing

Refer from Draughting room practice (s); Drawing room practice (s); Machine design; Machine shop practice; Mechanical drawing

Drago doctrine

Refer from Debts, Public; International law; Monroe doctrine

Dragons
See also Animal lore; Animals, Mythical

Refer from Animal lore; Animals, Mythical; Monsters

Drainage [for land drainage only]
See also Agricultural physics; Irrigation; Marshes; Reclamation of land; Sewerage

Refer from Agricultural physics; Agriculture; Civil engineering; Engineering; Hydraulic engineering; Irrigation; Land drainage (s); Marshes; Reclamation of land; Soil moisture; Soils

Drama
See also Acting; Actors; Amateur theatricals; Charades; Christmas plays; College plays; Comedy; Dialogues; Dramatists; Literature; Monologues; Masques (plays); Miracle, morality and mystery plays; Opera; Pageants; Pantomime; Passion plays; Plots (drama, novel, etc.); Prologues; Puppet plays; Tableaux; Theater; Tragedy; *also* American drama, English drama, etc.

Refer from Acting; Comedy; Literature; Miracle, morality and mystery plays; Play writing (s); Plays (s); Poetry; Prologues; Rhetoric; Stage (s); Theater; Tragedy

Dramatic art *see* Acting
Dramatic education *see* Acting — Study and teaching
Dramatic expression *see* Acting; Delsarte system; Elocution; Expression
Dramatic music *see* Opera; Operettas
Dramatic plots *see* Plots (drama, novel, etc.)

Dramatists
See also Authors; Poets

Refer from Authors; Drama; Playwrights (s); Poets

Drapery
See also Tapestry; Upholstery

Refer from House decoration; Tapestry; Upholstery

Draught, Mechanical, *see* Mechanical draft
Draughting, Mechanical, *see* Mechanical drawing
Draughting room practice *see* Drafting room practice
Draughts *see* Checkers

Dravidian languages
See also Oriental languages; Tamil language and literature

Refer from Language; Oriental languages; Tamil language and literature

Draw-poker *see* Poker

Drawbacks

Refer from Rebates (of duties) (s); Tariff

Drawbridges
See also Bridges

Refer from Bridges

Drawing
See also Anatomy, Artistic; Animal painting and illustration; Architectural drawing; Caricature and cartoons; Chalk talks; Charcoal drawing; Crayon drawing; Decoration and ornament; Design, Decorative; Drawings; Figure drawing; Flower painting and drawing; Geometrical drawing; Graphics; Illustration of books; Map drawing; Mechanical drawing; Painting; Pastel; Pen drawing; Perspective; Posters; Projection; Proportion (art); Shades and shadows; Silhouettes; Topographical drawing

Refer from Art; Design, Decorative; Freehand drawing (s); Graphic arts (s); Illustration of books; Manual training; Painting; Perspective; Sculpture; Sketching (s)

Drawing instruments
See also Mechanical drawing

Refer from Instruments; Mathematical instruments; Mechanical drawing

Drawing-room plays *see* Amateur theatricals
Drawing room practice *see* Drafting room practice

Drawings
See also Engravings; Etchings — *Refer from* Drawing; Pictures

Drawn work
See also Fancy work — *Refer from* Fancy work; Needlework

Dreams
See also Apparitions; Fortune telling; Nightmare; Psychology; Sleep; Somnambulism — *Refer from* Brain; Divination; Fortune telling; Mind and body; Night; Nightmare; Psychology; Sleep; Somnambulism; Superstition; Visions (s)

Dredging
See also Civil engineering; Excavating machinery; Gold dredging; Marine biology; Marine zoology; Ocean — *Refer from* Civil engineering; Engineering; Excavating machinery; Harbors; Hydraulic engineering; Marine biology; Marine zoology; Ocean

Dress *see* Clothing; Costume; Dress reform; Dressmaking

Dress reform — *Refer from* Clothing; Costume; Dress (s); Hygiene

Dressmaking
See also Garment cutting; Needlework; Tailoring — *Refer from* Clothing; Costume; Cutting (s); Domestic arts; Dress (s); Fashion; Garment cutting; Home economics; Needlework; Tailoring; Women — Occupations

Drift
See also Boulders; Geology; Glacial period; Glaciers; Moraines — *Refer from* Boulders; Geology; Glacial drift (s); Glacial period; Glaciers; Moraines

Drill (military)
See also Artillery drill and tactics; Cavalry drill and tactics; Infantry drill and tactics; Military art and science; Tactics — *Refer from* Military art and science; Tactics

Drilling (earth and rock) *see* Boring

Drilling (perforating)
See also Machine shop practice — *Refer from* Boring (metal working, etc.) (s); Machine shop practice; Machine tools

Drills and marches — *Refer from* Amusements; Broom drill (s); Entertainments; Fan drill (s); Gymnastics; Marches (exercise) (s); Tambourine drill (s)

Drink question *see* Liquor problem

Drinking customs
See also Dinners and dining; Eating; Temperance; Toasts — *Refer from* Beverages; Dinners and dining; Eating; Healths, Drinking of (s); Manners and customs; Temperance

Drinking songs
See also College songs — *Refer from* Songs

Drinks *see* Beverages; Liquors

Driving
See also Checkreins; Coaches and coaching; Horse; Horsemanship — *Refer from* Coaches and coaching; Horse; Horsemanship; Locomotion; Riding (s); Sports

Drop forging *see* Forging

Droughts
See also Rain — *Refer from* Meteorology; Physical geography; Rain; Water supply; Weather

Drowning
See also Accidents; First aid in illness and injury; Life-saving; Suspended animation; Swimming — *Refer from* Accidents; First aid in illness and injury; Life-saving; Suspended animation

Drug habit *see* Narcotic habit
Druggists *see* Pharmacists

Drugs
See also Adulterations; Dispensatories; Materia medica; Medical botany; Medicines, — *Refer from* Adulterations; Materia medica; Medicines (s); Pharmacognosy (s); Pharma-

Proprietary; Pharmacopoeias; Pharmacy; Poisons; *also* special drugs and groups of drugs, e.g. Anesthetics, Antitoxins, Narcotics, Stimulants	cology (s); Pharmacopoeias; Pharmacy; Poisons; Therapeutics
Druids	
See also Britons; Celts; Mythology, Celtic	*Refer from* Britons; Celts; England — Antiquities; Mythology, Celtic; Religions
Drummers *see* Commercial travelers	
Drunkenness *see* Alcoholism; Inebriate asylums; Liquor problem; Temperance	
Druses	*Refer from* Religions
Dry docks *see* Docks	
Dry farming	
See also Desert vegetation; Tillage	*Refer from* Agriculture; Arid farming (s); Desert vegetation; Farming, Dry (s); Irrigation; Tillage
Dry goods	
See also Clothing; Hosiery; Textile industry and fabrics	*Refer from* Textile industry and fabrics
Dry rot	
See also Wood — Preservation	*Refer from* Fungi; Plants — Diseases; Timber; Wood — Preservation
Drying	*Refer from* Bleaching; Chemical engineering; Cleaning; Dyes and dyeing; Evaporation
Dual personality *see* Personality	
Dualism	
See also Manicheism; Mind and body; Monism; Neoplatonism; Platonists; Soul; Zoroastrianism	*Refer from* Evil; Mind and body; Philosophy; Zoroastrianism
Ducks	
See also Game birds; Poultry; Water birds	*Refer from* Game birds; Poultry; Water birds
Dueling	
See also Fencing; Honor; Wager of battle	*Refer from* Ethics; Fencing; Fighting (s); Honor; Manners and customs; Wager of battle
Duets, Instrumental	*Refer from* Instrumental music; Music — Scores; Piano music — Scores
Duets, Vocal	*Refer from* Music — Scores; Songs
Dukhobors	
See also Russia — Religious history	*Refer from* Doukhobors (s); Russia — Religious history; Sects
Duma *see* Russia — Duma	
Dumb *see* Deaf and dumb	
Dumb-bells	
See also Gymnastics	*Refer from* Gymnastics
Dunes	
See also Physical geography	*Refer from* Beaches; Physical geography; Seashore; Sand dunes (s)
Dungeons *see* Prisons	
Dunkards *see* German Baptist brethren	
Dunkers *see* German Baptist brethren	
Dust	
See also Bacteriology; House cleaning	*Refer from* Air pollution; Bacteriology; House cleaning; Hygiene; Occupations — Diseases and hygiene; Roads
Dutch in the U. S.	*Refer from* U. S.— Foreign population
Dutch language	
See also Germanic languages	*Refer from* Germanic languages; Low German language
Dutch literature	
See also Dutch poetry	*Refer from* Dutch poetry
Dutch poetry	
See also Dutch literature	*Refer from* Dutch literature
Dutch reformed church *see* Reformed church in America	

Duties *see* Tariff

Duty
See also Conduct of life; Conscience; Ethics
Refer from Conduct of life; Ethics

Dwarfs
Refer from Man; Monsters; Pigmies (s); Pygmies (s)

Dwellings *see* Architecture, Domestic; Housing problem

Dyaks
See also Borneo; Head-hunters
Refer from Borneo; Dayaks (s); Head-hunters; Kayans (s)

Dyeing *see* Dyes and dyeing

Dyes and dyeing
See also Bleaching; Calico printing; Chemistry, Technical; Cleaning; Coal-tar colors; Color; Drying; Indigo; Khaki
Refer from Bleaching; Calico printing; Chemistry, Technical; Cleaning; Coal-tar colors; Color; Cotton; Dyeing (s); Dyestuffs (s); Industrial arts; Pigments (s); Scouring (s); Textile industry and fabrics; Wool

Dyestuffs *see* Dyes and dyeing
Dying words *see* Last words of famous people
Dykes *see* Dikes (geology); Embankments

Dynamics
See also Aerodynamics; Dynamometer; Electrodynamics; Force and energy; Hydrodynamics; Kinematics; Matter; Mechanics; Motion; Physics; Rotation; Statics; Thermodynamics
Refer from Force and energy; Kinematics; Kinetics (s); Matter; Mechanics; Motion; Physics; Rotation; Statics

Dynamite
See also Explosives
Refer from Explosives

Dynamo-electric machines *see* Dynamos; Electric motors

Dynamometer
Refer from Dynamics; Electric testing; Force and energy; Power; Prony brake (s)

Dynamos
See also Armatures; Commutators; Electric motors; Switchboards
Refer from Armatures; Commutators; Dynamo-electric machines (s); Electric apparatus and appliances; Electric engineering; Electric generators (s); Electric machinery; Electric motors; Electricity; Generators, Electric (s); Machine shop practice; Motors

Dyspepsia
See also Digestion
Refer from Diet; Digestion; Indigestion (s); Medicine — Practice

Eagles
See also Birds
Refer from Birds

Ear
See also Deaf and dumb; Deafness; Hearing; Sound
Refer from Anatomy; Deafness; Head; Hearing; Otology (s); Sound

Early church *see* Church history — Early church
Early English language *see* English language — Middle English
Early English literature *see* English literature — History and criticism — Middle English

Earth
See also Antarctic regions; Arctic regions; Astronomy; Climate; Creation; Deluge; Earthquakes; Geochemistry; Geodesy; Geography; Geology; Glacial period; Globes; Latitude and longitude; Magnetism, Terrestrial; Meteorology; Mines and mineral resources; North pole; Nutation; Ocean; Physical geography; Seasons; South pole; Tropics; Volcanoes
Refer from Astronomy; Creation; Geography; Geology; Nature; Physical geography; Planets; Universe; World (s)

Earth — Continued
——**Age**
See also Creation; Geology
——**Figure**
See also Geodesy
——**Rotation**

——**Temperature**
Earth worms *see* Earthworms
Earthenware *see* Pottery
Earthquakes
See also Geology; Physical geography; Volcanoes

Earths, Rare, *see* Rare earths
Earthwork
See also Civil engineering; Dams; Embankments; Excavation; Fortification; Foundations; Tunnels; Walls
Earthworks (archaeology)
See also Archaeology; Mounds and mound builders
Earthworms
Easements
See also Eminent domain; Real estate

East
See also Asia; Levant

Easter
See also Carols; Jesus Christ — Resurrection and ascension; Lent

Eastern churches
See also Coptic church; Greek church; Nestorians
Eastern empire *see* Byzantine empire
Eastern question (Central Asia)
See also Asia, Central; British in Asia (Central); Russians in Asia (Central); Tibet; Turkestan

Eastern question (Far East)
See also Boxers; China; Chinese-Japanese war, 1894–1895; Japan; Korea; Manchuria; Russo-Japanese war, 1904–1905

Eastern question (Near East)
See also Balance of power; Balkan peninsula; Crimean war; Panislamism; Panslavism; Russia — Foreign relations; Russo-Turkish war, 1877–1878; Turkey — Foreign relations
Eating
See also Breakfasts; Cookery; Diet; Dinners and dining; Drinking customs; Food; Luncheons; Menus; Table

Eccentricity

Ecclesiastical antiquities *see* Christian antiquities
Ecclesiastical architecture *see* Church architecture
Ecclesiastical art *see* Christian art and symbolism

Refer from Geology

Refer from Figure of the earth (s); Geodesy
Refer from Pendulum; Rotation; Rotation of the earth (s)
Refer from Heat; Temperature

Refer from Disasters; Earth; Geology; Physical geography; Seismology (s); Volcanoes

Refer from Civil engineering; Embankments; Engineering; Excavation; Fortification; Foundations; Railroads; Railroads — Construction

Refer from Archaeology; Excavations (s); Mounds and mound builders
Refer from Earth worms (s); Worms

Refer from Deeds; Eminent domain; Land; Law; Real estate; Trespass

Refer from Asia; Far East (s); Levant; Orient (s)

Refer from Christian year; Fasts and feasts; Holy week; Jesus Christ; Jesus Christ — Resurrection and ascension; Lent

Refer from Church history; Coptic church; Greek church; Nestorians

Refer from Asia, Central; British in Asia (Central); British in India; International relations; Russians in Asia (Central); Tibet; Turkestan

Refer from Boxers; China; Chinese question (s); Far-eastern question (s); International relations; Japan; Korea; Manchuria; Yellow peril (s)

Refer from Balance of power; Balkan peninsula; Balkan question (s); Europe — Politics; International relations; Russia — Foreign relations; Turkey — Foreign relations

Refer from Dinners and dining; Drinking customs; Food; Gastronomy (s); Manners and customs; Meals (s); Table

Refer from Conduct of life; Insanity; Psychology

Ecclesiastical biography *see* Christian biography
Ecclesiastical ceremonies *see* Rites and ceremonies
Ecclesiastical costume *see* Church vestments
Ecclesiastical fasts and feasts *see* Fasts and feasts
Ecclesiastical furniture *see* Church furniture
Ecclesiastical history *see* Church history
Ecclesiastical law *see* Church law
Ecclesiastical polity *see* Church polity
Ecclesiastical statistics *see* Church statistics
Ecclesiastical vestments *see* Church vestments

Echinodermata
See also Invertebrates
Refer from Invertebrates; Marine zoology

Eclectic medicine *see* Medicine, Eclectic

Eclipses
See also Astronomy; Astronomy, Spherical and practical; Moon; Occultations; Sun; Transits
Refer from Astronomy; Astronomy, Spherical and practical; Lunar eclipses (s); Moon; Solar eclipses (s); Sun

Eclogues *see* Pastoral poetry

Ecology
See also Acclimatization; Acclimatization (plants); Adaptation (biology); Environment; Geographical distribution of animals and plants; Seeds — Dispersal
Refer from Acclimatization; Acclimatization (plants); Adaptation (biology); Biology; Bionomics (s); Botany — Ecology (s); Environment; Geographical distribution of animals and plants; Natural history; Œcology (s); Zoology

Economic botany *see* Botany, Economic
Economic conditions *see* names of countries, subhead Economic conditions

Economic determinism
See also Socialism
Refer from Determinism, Economic (s); Economics; Historic materialism (s); History — Philosophy; Progress; Socialism

Economic entomology *see* Insects, Injurious and beneficial
Economic geography *see* Commercial geography
Economic geology *see* Geology, Economic
Economic zoology *see* Zoology, Economic

Economics
See also Apprentices; Balance of trade; Banks and banking; Business; Business depression; Capital; Charities; Combination, Industrial; Commerce; Communication; Communism; Competition; Consumption (economics); Cooperation; Corn laws; Cost; Cost of living; Credit; Debts, Public; Economic determinism; Efficiency, Industrial; Exchange; Factory system; Finance; Food supply; Gilds; Government ownership; Government regulation of industry; Home economics; Income; Individualism; Industry; Interest; Investments; Labor and capital; Labor and laboring classes; Labor unions; Land; Land tenure; Leisure class; Luxury; Manufactures; Money; Monopolies; Panics; Physiocrats; Poor; Population; Precious metals; Prices; Privileged classes; Profit; Profit sharing; Property; Prosperity; Rent; Salaries; Socialism; Speculation; Standard of living; Statistics; Stock exchange; Stocks; Strikes and lockouts; Sumptuary laws; Supply and demand; Tariff; Tariff question; Taxation;
Refer from Banks and banking; Business; Capital; Commerce; Consumption (economics); Distribution of wealth (s); Exchange; Finance; Government; Individualism; Industry; Labor and laboring classes; Political economy (s); Prices; Production (s); Profit; Rent; Science; Social science (s); Socialism; Sociology; Supply and demand; Tariff; Tariff question; Taxation; Wages; Wealth

Thrift; Transportation; Trusts; Unearned increment; Unemployed; Value; Wages; Wealth; *also* names of countries, subhead Economic conditions

Economy *see* Thrift

Ecstasy

Refer from Psychology; Religion

Ecumenical councils *see* Councils and synods; *also* names of special councils

Eddas

See also Icelandic literature; Sagas

Refer from Icelandic literature; Mythology, Norse; Sacred books; Sagas; Scandinavian literature

Eden

See also Bible — Old Testament — Genesis; Fall of man

Refer from Bible — Old Testament — Genesis; Fall of man; Garden of Eden (s); Paradise (s)

Editorials

See also Journalism

Refer from Journalism; Literature; Newspapers; Rhetoric

Education

See also Auxiliary schools; Bible in the schools; Blind — Asylums and education; Books and reading; Business education; Charity schools; Child study; Children; Church and education; Civilization; Classical education; Coeducation; College education, Value of; Colleges and universities; Compulsory education; Correspondence schools and courses; Country schools; Culture; Curriculum; Deaf and dumb — Asylums and education; Education and citizenship; Education and crime; Education and state; Education of women; Educational associations; Educators; Evening and continuation schools; Examinations; Farm schools; Grammar schools; High schools; Home education; Illiteracy; Indians — Education; Industrial education; Kindergarten; Knowledge; Lectures and lecturing; Libraries; Libraries and schools; Lyceums; Manual training; Mechanics' institutes; Memory; Mental discipline; Military education; Moral education; Nature study; Naval education; Negroes — Education; Normal schools; Object teaching; Open-air schools; Overpressure (education); Physical education; Private schools; Professional education; Psychology; Psychology, Educational; Public schools; Public schools and religion; Ragged schools; Reformatories; Religious education; Research; Scholars; Scholarships; Schools; Self-culture; Self-government (in education); Seminary method; Students; Study; Summer schools; Sunday schools; Teachers; Teaching; Technical education; Textbooks; Theological schools; Trade schools; University extension; Vacation schools; Vocational education; *also* headings beginning School, and subhead Study and teaching under special subjects, e.g. Art — Study and teaching

Refer from Boys; Civilization; Colleges and universities; Culture; Girls; Instruction (s); Knowledge; Learning (s); Mental discipline; Psychology; Public schools; Scholarship (s); Schools; Self-culture; Social problems; Sociology; Students; Study; Teachers; Teaching; Training

——Classical, *see* Classical education

——Compulsory, *see* Compulsory education

——**Elementary**

See also Busy work; Children, Abnormal and backward; Country schools;

Refer from Children; Children — Education (s); Education, Primary (s); Education

Education — Continued
Grammar schools; Home education; Industrial education; Kindergarten; Object teaching; Private schools
——Higher, *see* Classical education; College education, Value of; Colleges and universities; Professional education; Technical education
——Industrial, *see* Industrial education
——Medical, *see* Medicine — Study and teaching
——Military, *see* Military education
——Moral, *see* Moral education
——Musical, *see* Music — Instruction and study
——Naval, *see* Naval education
——Primary, *see* Education, Elementary
——Professional, *see* Professional education
——Religious, *see* Religious education
——Scientific, *see* Science — Study and teaching
——**Secondary**
See also Academies (schools); Evening and continuation schools; High schools; Private schools
——Technical, *see* Technical education
——**U. S.**
See also Colleges and universities — U. S.; Public schools — U. S.; U. S.— Intellectual life

Education and church *see* Church and education

Education and citizenship
See also Education and crime; Illiteracy; School city

Education and crime
See also Illiteracy

Education and state
See also Public schools; Research; Scholarships

Education of children *see* Education, Elementary; Home education; Kindergarten

Education of women
See also Coeducation

Educational associations

Educational laws *see* School laws

Educational psychology *see* Psychology, Educational

Educational societies *see* Educational associations

Educators
See also Teachers

Efficiency, Industrial
See also Ability; Age limit of employment; Executive ability; Scientific management

Eggs
See also Birds' eggs; Cold storage; Cookery — Eggs; Embryology; Poultry

of children (s); Elementary education (s); Grammar schools; Primary education (s); Primary schools (s)

Refer from Academies (schools); High schools; Preparatory schools (s); Secondary education (s); Secondary schools (s)

Refer from Colleges and universities — U. S.; Public schools — U. S.; U. S.—Education (s); U. S.— Intellectual life; U. S.— Schools (s)

Refer from Citizenship; Education; Illiteracy

Refer from Crime and criminals; Education; Education and citizenship; Illiteracy

Refer from Education; Government; Public schools; State and education (s)

Refer from Coeducation; Colleges and universities; Education; Girls; Women; Women— Education (s)

Refer from Education; Educational societies (s); Societies; Teachers

Refer from Biography; Education; Teachers

Refer from Ability; Economics; Executive ability; Industrial efficiency (s); Industry; Labor and laboring classes; Scientific management

Refer from Animal products; Food; Poultry

Egoism
See also Altruism; Avarice; Selfishness

Refer from Altruism; Avarice; Conduct of life; Ethics; Hedonism; Philosophy; Selfishness

Egypt — Antiquities
See also Mummies; Obelisks; Pyramids

Refer from Egyptology (s); Mummies; Obelisks; Pyramids

——History
———Ancient
———Modern

Egyptian language
See also African languages; Coptic language; Hamitic languages; Hieroglyphics

Refer from African languages; Hamitic languages; Hieroglyphics

Egyptology *see* Egypt — Antiquities
Eight-hour day *see* Hours of labor

Eighteenth century
See also English literature — History and criticism — Eighteenth century; History, Modern

Refer from Europe — History — 1492–1789; History, Modern

Elasticity
See also Strains and stresses; Strength of materials

Refer from Compressibility; Matter; Mechanics; Physics; Statics; Strains and stresses; Strength of materials

Election (in theology) *see* Predestination

Election laws
See also Nominations; Suffrage

Refer from Elections; Law; Nominations; Registration laws (s); Suffrage

Elections
See also Australian ballot; Ballot; Bribery; Campaign funds; Caucus; Citizenship; Election laws; Gerrymander; Nominations; Political corruption; Primaries; Proportional representation; Recall; Representative government and representation; Suffrage; Voting machines

Refer from Ballot; Caucus; Corrupt practices at elections (s); Government; Nominations; Politics; Primaries; Representative government and representation; Suffrage; Voting (s)

——U. S.
See also Campaign funds; Gerrymander; Nominations; Political conventions; Presidents — U. S. — Election; Primaries; Senators — U. S.— Election

Refer from Campaigns, Presidential (s); Presidential campaigns (s); Presidential elections (s); Presidents — U. S.— Election; U. S. — Elections (s); U. S.— Government; U. S. — Politics

Elective franchise *see* Suffrage

Electric apparatus and appliances
See also Armatures; Coherers; Condensers (electricity); Dynamos; Electric batteries; Electric bells; Electric furnaces; Electric gas lighting; Electric lamps; Electric machinery; Electric meters; Electric motors; Electric toys; Electric transformers; Electricity in mining; Electricity in the home; Electricity on the farm; Electromagnets; Fans, Electric; Fire alarms; Galvanometer; Induction coils; Rheostats; Switchboards

Refer from Electric engineering; Electric machinery; Instruments

Electric arc
See also Electric lamps

Refer from Arc, Electric (s); Arc light (s); Electric lighting; Voltaic arc (s)

Electric armatures *see* Armatures

Electric batteries
See also Storage batteries

Refer from Batteries (electric) (s); Cell, Voltaic (s); Electric apparatus and appliances; Electric cells (s); Electrochemistry; Galvanic batteries (s); Primary batteries (s); Storage batteries; Voltaic cell (s)

Electric bells

Refer from Bells; Electric apparatus and appliances; Electricity in the home

Electric boats *see* Motor boats

Electric cables
See also Cables, Submarine; Electric wire and wiring; Electricity — Distribution; Insulation

Refer from Cables; Electric conductors; Electric wire and wiring; Electricity — Distribution; Insulation

Electric carriages *see* Automobiles

Electric cells *see* Electric batteries

Electric condensers *see* Condensers (electricity)

Electric conductivity
See also Electric conductors; Electric measurement; Electric resistance

Refer from Conductivity, Electric (s); Electric currents; Electric resistance

Electric conductors
See also Electric cables; Electric power transmission; Electric wire and wiring; Electricity — Distribution; Lightning conductors

Refer from Conductors, Electric (s); Electric conductivity; Electric currents; Electric power transmission; Electric wire and wiring; Electricity — Distribution; Wiring, Electric (s)

Electric controllers
See also Electric motors; Rheostats

Refer from Controllers, Electric (s); Electric machinery; Electric motors; Rheostats

Electric current converters
See also Electric transformers

Refer from Converters, Electric (s); Electric machinery; Electric transformers

Electric currents
See also Electric conductivity; Electric conductors; Electric measurement; Electric meters; Electric power transmission; Electric testing; Electric transformers; Electricity — Distribution; Electrodynamics

Refer from Currents (s); Electric potential (s); Electric transformers; Electricity — Distribution; Electrodynamics

——Alternating
See also Electric power transmission; Electric waves; Electricity — Distribution

Refer from Alternating currents (s); Currents, Alternating (s); Electric waves; Induction coils; Polyphase currents (s)

Electric discharges through gases
See also Cathode rays; Ionization of gases; Radioactivity; X rays

Refer from Cathode rays; Electrons; Gases; Ionization of gases; Ions; X rays

Electric distribution *see* Electricity — Distribution

Electric driving
See also Electric motors; Electric power; Electric power transmission; Electricity — Distribution

Refer from Electric machinery; Electric motors; Electric power; Electric power transmission; Electricity — Distribution; Machine tools

Electric engineering
See also Armatures; Dynamos; Electric apparatus and appliances; Electric heating; Electric lighting; Electric machinery; Electric meters; Electric motors; Electric power transmission; Electric railroads; Electricians; Electricity; Electricity — Distribution; Electricity in mining; Hydroelectric plants; Power plants, Electric; Telautograph; Telegraph; Telephone; Wireless telegraphy

Refer from Electric machinery; Engineering; Engineering, Electrical (s); Industrial arts; Machinery; Mechanical engineering

Electric fans *see* Fans, Electric

Electric furnaces
See also Electric heating; Electrometallurgy

Refer from Electric apparatus and appliances; Electric heating; Electric smelting (s); Electrochemistry; Electrometallurgy; Furnaces

Electric gas lighting

Refer from Electric apparatus and appliances; Electric ignition of gas (s); Electric lighting; Gas lighting

Electric generators *see* Dynamos

Electric heating
See also Electric furnaces

Refer from Electric engineering; Electric furnaces; Electricity in the home; Heating

Electric ignition of gas *see* Electric gas lighting
Electric insulation *see* Insulation
Electric lamps
See also Electric lighting

Refer from Arc lamps (s); Electric apparatus and appliances; Electric arc; Electric lighting; Incandescent lamps (s); Lamps

Electric launches *see* Motor boats
Electric light *see* Electric lighting
Electric light carbons

Refer from Carbon; Carbons (electric light) (s); Electric lighting

Electric lighting
See also Electric arc; Electric gas lighting; Electric lamps; Electric light carbons; Electric meters; Electric wire and wiring; Electricity — Distribution; Photometry; Searchlights; Switchboards

Refer from Arc light (s); Electric engineering; Electric lamps; Electric light (s); Incandescent lighting (s); Lighting

Electric locomotives
See also Railroads — Electrification

Refer from Electric motors; Electric railroads; Locomotives; Railroads — Electrification

Electric machinery
See also Commutators; Dynamos; Electric apparatus and appliances; Electric controllers; Electric current converters; Electric driving; Electric engineering; Electric motors; Electric transformers; Electricity in mining; Electricity on the farm

Refer from Continuous current machinery (s); Electric apparatus and appliances; Electric engineering; Electric motors; Machinery

——**Alternating current**

Refer from Alternating current machinery (s)

Electric measurement
See also Electric meters; Electric resistance; Electric testing; Galvanometer; Inductance

Refer from Electric conductivity; Electric currents; Electric meters; Electric resistance; Electric testing; Galvanometer; Units; Weights and measures

Electric meters
See also Electric measurement; Electric testing; Wattmeter

Refer from Electric apparatus and appliances; Electric currents; Electric engineering; Electric lighting; Electric measurement; Electric testing; Meters (s)

Electric mining *see* Electricity in mining
Electric motors
See also Armatures; Commutators; Dynamos; Electric controllers; Electric driving; Electric locomotives; Electric machinery; Electric power; Electric transformers

Refer from Commutators; Dynamo-electric machines (s); Dynamos; Electric apparatus and appliances; Electric controllers; Electric driving; Electric engineering; Electric machinery; Electric power; Electric railroads; Electromotors (s); Induction motors (s); Motors

Electric plants *see* Power plants, Electric
Electric potential *see* Electric currents; Electromotive force; Electrostatics; Potential, Theory of
Electric power
See also Electric driving; Electric motors; Electric power transmission; Electricity — Distribution; Power plants, Electric

Refer from Electric driving; Electric motors; Electric power transmission; Electricity — Distribution; Power; Power plants, Electric

Electric power distribution *see* Electric power transmission; Electricity — Distribution
Electric power plants *see* Power plants, Electric
Electric power transmission
See also Electric conductors; Electric driving; Electric power; Electricity — Distribution; Hydro-electric plants; Power plants, Electric; Power transmission

Refer from Electric conductors; Electric currents; Electric currents, Alternating; Electric driving; Electric engineering; Electric power; Electric power distribution (s); Electric transmission of power (s); Electricity — Distribution; Hydro-electric plants; Power plants, Electric; Power transmission; Transmission of power (s)

Electric railroads
See also Electric locomotives; Electric motors; Railroads — Electrification; Railroads — Single rail; Rapid transit; Street railroads; Suspended railways

Refer from Electric engineering; Electric street railroads (s); Electric tramways (s); Interurban railroads (s); Railroads; Railroads, Electric (s); Railroads — Electrification; Rapid transit; Street railroads; Transportation; Trolley lines (s)

Electric resistance
See also Electric conductivity; Electric measurement; Electric testing; Insulation; Rheostats

Refer from Electric conductivity; Electric measurement; Electric testing; Insulation; Resistance, Electric (s); Rheostats

Electric rheostats *see* Rheostats
Electric smelting *see* Electric furnaces; Electrometallurgy
Electric stations *see* Power plants, Electric
Electric street railroads *see* Electric railroads
Electric switchboards *see* Switchboards
Electric telegraph *see* Telegraph
Electric testing
See also Dynamometer; Electric measurement; Electric meters; Electric resistance

Refer from Electric currents; Electric measurement; Electric meters; Electric resistance; Testing (s)

Electric toys

Refer from Electric apparatus and appliances; Toys

Electric tramways *see* Electric railroads
Electric transformers
See also Electric current converters; Electric currents; Electricity — Distribution; Induction coils

Refer from Electric apparatus and appliances; Electric current converters; Electric currents; Electric machinery; Electric motors; Electricity — Distribution; Induction coils; Transformers (s)

Electric transmission of power *see* Electric power transmission
Electric treatment *see* Electrotherapeutics
Electric waves
See also Coherers; Electric currents, Alternating; Wireless telegraphy

Refer from Electric currents, Alternating; Hertzian waves (s); Interference (light); Waves; Wireless telegraphy

Electric welding *see* Welding
Electric wire and wiring
See also Electric cables; Electric conductors; Electricity — Distribution; Insulation

Refer from Electric cables; Electric conductors; Electric lighting; Electric wiring (s); Electricity — Distribution; Insulation; Municipal improvement; Telegraph; Telephone; Wire; Wiring, Electric (s)

Electric wiring *see* Electric wire and wiring
Electrical *see* Electric
Electricians

Refer from Biography; Electric engineering; Scientists

Electricity
See also Armatures; Atmospheric electricity; Dynamos; Electrons; Inductance; Induction coils; Insulation; Ionization of gases; Ions; Lightning; Magnetism; Microphone; Phonograph; Radioactivity; Telegraph; Telephone; Telpherage; Wireless telegraphy; X rays; *also* headings beginning Electric and Electro

Refer from Electric engineering; Electrostatics; Galvanism (s); Lightning; Magnetism; Physics; Voltaic electricity (s)

——Animal, *see* Electrophysiology
——Atmospheric, *see* Atmospheric electricity
——**Distribution**
See also Electric cables; Electric conductors; Electric currents; Electric driving; Electric power; Electric power transmission; Electric transformers; Electric wire and wiring; Power plants, Electric; Switchboards

Refer from Distribution of electricity (s); Electric cables; Electric conductors; Electric currents; Electric currents, Alternating; Electric distribution (s); Electric driving; Electric engineering; Electric lighting; Electric power; Electric power distribution (s); Electric power

——Experiments

——Medical, *see* Electrotherapeutics
Electricity in agriculture *see* Electricity on the farm
Electricity in horticulture *see* Electrohorticulture
Electricity in medicine *see* Electrotherapeutics
Electricity in mining
See also Mining engineering; Mining machinery

Electricity in the home
See also Electric bells; Electric heating

Electricity on the farm
See also Electricity in the home; Electrohorticulture; Farm implements and machinery; Farm motors

Electricution *see* Electrocution
Electrification of railroads *see* Railroads—Electrification
Electrobiology *see* Electrophysiology
Electrochemistry
See also Chemistry, Physical; Dissociation; Electric batteries; Electric furnaces; Electrolysis; Electrolytes; Electrometallurgy; Electromotive force; Ions
Electroculture of plants *see* Electrohorticulture
Electrocution

Electrodeposition of metals *see* Electrometallurgy; Electroplating
Electrodynamics
See also Electric currents; Inductance
Electrogalvanizing *see* Galvanizing
Electrohorticulture

Electrolysis
See also Chemistry, Physical; Corrosion and anti-corrosives; Dissociation; Electrochemistry; Electrolytes; Electrometallurgy; Ions
Electrolytes
See also Electrochemistry; Electrolysis; Ions
Electromagnets
See also Armatures; Commutators; Induction coils

Electrometallurgy
See also Cyanide process; Electric furnaces; Electrochemistry; Electrolysis; Electroplating; Electrotyping; Magnetic separation of ores; Metallurgy

Electromotive force

Electromotors *see* Electric motors

transmission; Electric transformers; Electric wire and wiring
Refer from Experiments (s); Physics — Experiments

Refer from Electric apparatus and appliances; Electric engineering; Electric machinery; Electric mining (s); Mining engineering; Mining machinery

Refer from Electric apparatus and appliances; Electricity on the farm; Home economics

Refer from Agriculture; Electric apparatus and appliances; Electric machinery; Electricity in agriculture (s); Farm implements and machinery; Farm motors

Refer from Chemistry; Chemistry, Physical; Chemistry, Technical; Dissociation; Electrolysis; Electrolytes; Electrometallurgy; Ions

Refer from Capital punishment; Electricution (s)

Refer from Dynamics; Electric currents

Refer from Electricity in horticulture (s); Electricity on the farm; Electroculture of plants (s); Floriculture; Gardening

Refer from Chemistry — Analysis; Chemistry, Physical; Dissociation; Electrochemistry; Electrolytes; Electrometallurgy; Ions; Solution (chemistry)

Refer from Dissociation; Electrochemistry; Electrolysis; Ions

Refer from Armatures; Electric apparatus and appliances; Hoisting machinery; Induction coils; Magnetism

Refer from Electric furnaces; Electric smelting (s); Electrochemistry; Electrodeposition of metals (s); Electrolysis; Electroplating; Electrotyping; Galvanoplasty (s); Metallurgy; Ore treatment; Smelting

Refer from Electric potential (s); Electrochemistry; Force and energy

Electrons
See also Cathode rays; Electric discharges through gases; Ions; Radioactivity

Refer from Atoms; Cathode rays; Dissociation; Electricity; Ions; Magneto-optics; Matter; Radioactivity

Electrophysiology
See also Muscles; Nerves; Nervous system

Refer from Animal electricity (s); Biology; Electricity, Animal (s); Electrobiology (s); Nervous system; Physiology; Zoology

Electroplating
See also Electrometallurgy; Galvanizing

Refer from Electrodeposition of metals (s); Electrometallurgy; Galvanizing; Galvanoplasty (s); Gilding; Plating; Silver-plating (s); Silverplating (s)

Electrostatics
See also Condensers (electricity); Electricity; Potential, Theory of

Refer from Condensers (electricity); Electric potential (s); Physics; Static electricity (s); Statics

Electrotherapeutics
See also Radiotherapy

Refer from Electric treatment (s); Electricity, Medical (s); Electricity in medicine (s); Medical electricity (s); Therapeutics

Electrotyping
See also Electrometallurgy; Stereotyping

Refer from Electrometallurgy; Galvanoplasty (s); Printing; Stereotyping

Elegiac poetry
Refer from Poetry

Elementary education *see* Education, Elementary; Kindergarten

Elements, Chemical, *see* Chemical elements

Elements, Worship of
See also Fire worship; Nature worship

Refer from Nature worship; Worship

Elephants
See also Ivory; Mammals; Mammoths

Refer from Hunting; Mammals

Eleusinian mysteries
See also Mythology, Classical

Refer from Mysteries (religious); Mythology, Classical

Elevated railroads
See also Rapid transit

Refer from Railroads; Railroads, Elevated (s); Rapid transit; Street railroads

Elevations *see* Altitudes

Elevators
See also Hoisting machinery

Refer from High buildings; Hoisting machinery; Lifts (s)

Elevators, Grain, *see* Grain elevators

Elixir of life
See also Alchemy; Philosopher's stone

Refer from Alchemy; Medicine, Medieval; Philosopher's stone

Elizabethan age *see* England — History — Elizabethan period; English literature — History and criticism — Elizabethan period; Shakespeare, William — Contemporary England

Elizabethan literature *see* English literature — History and criticism — Elizabethan period

Ellipse
See also Conic sections

Refer from Conic sections

Elliptic functions *see* Functions

Elocution
See also Acting; Debating; Delsarte system; Eloquence; Expression; Gesture; Oratory; Preaching; Pronunciation; Reading; Recitations and readings; Rhetoric; Singing and voice culture; Ventriloquism; Voice

Refer from Debating; Declamation (s); Dramatic expression (s); Eloquence; Expression; Gesture; Language; Oratory; Preaching; Reading; Rhetoric; Speaking (s); Speech; Voice

Eloquence
See also Elocution; Oratory

Refer from Elocution; Oratory; Rhetoric

Elves *see* Fairies

Emancipation *see* Catholic emancipation; Slavery; Women — Social condition

Embalming
See also Mummies
Refer from Burial; Death; Mortuary customs (s); Mummies

Embankments
See also Civil engineering; Earthwork; Sea walls
Refer from Canals; Civil engineering; Dams; Dikes (engineering) (s); Dykes (s); Earthwork; Engineering; Hydraulic engineering; Levees (s); Rivers; Sea walls

Embargo laws
See also U. S. — History — 1783–1812
Refer from Commerce; International law; U. S.— Commerce; U. S.— History — 1783–1812

Embezzlement
See also Forgery
Refer from Crime and criminals; Defalcation (s); Forgery; Larceny; Stealing (s); Theft (s); Thieves

Emblems
See also Christian art and symbolism; Devices; Insignia; Mottoes; Symbolism
Refer from Christian art and symbolism; Devices; Heraldry; Literature; Symbolism

Embossing
Refer from Printing

Embroidery
See also Fancy work; Needlework
Refer from Arts and crafts; Decoration and ornament; Domestic arts; Fancy work; Needlework; Stitches (s); Textile industry and fabrics

Embryology
See also Biology; Botany — Embryology; Cells; Parthenogenesis; Protoplasm; Reproduction
Refer from Biology; Cells; Development (s); Eggs; Evolution; Morphology; Physiology; Protoplasm; Reproduction; Zoology

Emergencies *see* Accidents; First aid in illness and injury

Emigration *see* Immigration and emigration

Eminent domain
See also Cemeteries; Constitutional law; Damages; Easements; Municipal corporations; Police power; Public service corporations; Roads
Refer from Appraising; Arbitration and award; Cemeteries; Condemnation of land (s); Constitutional law; Damages; Domain, Eminent (s); Easements; Expropriation (s); Land; Land tenure; Law; Police power; Property; Public service corporations; Railroads; Real estate; Roads

Emmanuel movement
See also Medicine and religion
Refer from Church and healing (s); Faith cure; Medicine and religion; Mental healing; Mind and body; Suggestive therapeutics; Therapeutics

Emotions
See also Anger; Enthusiasm; Envy; Ethics; Expression; Fear; Hate; Jealousy; Joy; Laughter; Love; Melancholy; Pain; Pleasure; Psychology; Sympathy
Refer from Anger; Enthusiasm; Envy; Ethics; Fear; Feelings (s); Hate; Jealousy; Joy; Passions (s); Pleasure; Psychology; Sympathy

Emperors
See also Kings and rulers; Roman emperors
Refer from Biography; Kings and rulers; Monarchy; Rulers (s); Sovereigns (s)

Empiricism
See also Pragmatism
Refer from Philosophy

Employees' welfare *see* Industrial betterment

Employers' associations
See also Blacklisting; Combination, Industrial; Trade agreements
Refer from Blacklisting; Combination, Industrial; Gilds; Labor and capital; Labor unions

Employers' liability
See also Accidents; Damages; Factory inspection; Factory laws; Insurance, Accident; Labor laws; Master and servant;
Refer from Accidents; Agency; Compensation (s); Damages; Factory inspection; Factory laws; Insurance, Accident; Insurance,

Negligence; Occupations, Dangerous; Safety devices

Industrial; Labor and capital; Labor and laboring classes; Labor laws; Liability, Employers' (s); Master and servant; Negligence; Occupations, Dangerous; Safety devices; Workmen's compensation (s)

Employers' welfare institutions *see* Industrial betterment

Employment agencies
See also Labor exchanges

Refer from Agency; Intelligence offices (s); Labor and laboring classes; Labor exchanges; Servants; Unemployed; Wages

Empresses *see* Queens and empresses

Enamel
See also Arts and crafts; Cloisonné

Refer from Arts and crafts; Cloisonné; Decoration and ornament

Encyclopaedias *see* Encyclopedias

Encyclopaedists *see* Encyclopedists

Encyclopedias
See also Dictionaries. For encyclopedias of a special subject see the subject, e.g. Botany — Dictionaries

Refer from Cyclopedias (s); Dictionaries; Encyclopaedias (s); Reference books

Encyclopedists

Refer from Encyclopaedists (s); French literature; Materialism; Philosophy, French

Endless punishment *see* Future punishment

Energy *see* Force and energy

Engineering
See also Aeronautics; Aqueducts; Arches; Architecture; Blasting; Boring; Breakwaters; Bridges; Building; Building materials; Canals; Chemical engineering; Civil engineering; Curves in engineering; Docks; Drainage; Dredging; Earthwork; Electric engineering; Engineers; Engines; Foundations; Harbors; Hydraulic engineering; Industrial arts; Irrigation; Machinery; Marine engineering; Masonry; Mechanical drawing; Mechanical engineering; Mechanics; Mensuration; Military engineering; Mining engineering; Municipal engineering; Railroad engineering; Railroads — Construction; Reclamation of land; Rivers; Roads; Sanitary engineering; Sea walls; Statics; Steam engines; Strength of materials; Subways; Surveying; Tunnels; Walls; Water supply

Refer from Building; Civil engineering; Construction (s); Hydraulic engineering; Industrial arts; Machinery; Mathematics; Mechanical engineering; Mechanics; Military engineering; Surveying; Technology

——Chemical, *see* Chemical engineering
——Civil, *see* Civil engineering
——Electrical, *see* Electric engineering
——Hydraulic, *see* Hydraulic engineering
——Marine, *see* Marine engineering
——Mechanical, *see* Mechanical engineering; Mechanics, Applied
——Military, *see* Military engineering
——Mining, *see* Mining engineering
——Municipal, *see* Municipal engineering
——Sanitary, *see* Sanitary engineering

Engineering materials *see* Building materials

Engineers

Refer from Biography; Engineering

Engines
See also Air engines; Blowing engines; Farm motors; Fire engines; Fuel; Gas and oil engines; Heat engines; Locomotives; Marine engines; Mechanical engineering; Motors; Pumps; Steam engines; Traction engines; Turbines

Refer from Engineering; Machine shop practice; Machinery; Mechanical engineering; Motors; Power

England, Church of, *see* Church of England

England — History

———**To 1066**

See also Anglo-Saxons; Britons

Refer from Great Britain — History (s)

———**Normans, 1066–1154**

See also Domesday book; Hastings, Battle of; Normans

Refer from Anglo-Saxons; Britons

———**Plantagenets, 1154–1399**

See also Barons' war; Black death; England — History — Lancaster and York; Hundred years' war; Magna charta

Refer from Hastings, Battle of; Norman conquest (s); Normans

———**Lancaster and York, 1399–1485**

See also Agincourt, Battle of; Hundred years' war; Wars of the Roses

Refer from Barons' war; Hundred years' war

———**Tudors, 1485–1603**

See also England — History — Elizabethan period

Refer from Agincourt, Battle of; England — History — Plantagenets; Hundred years' war; Wars of the Roses

———**Elizabethan period, 1558–1603**

See also Armada, 1588; England — History — Tudors; Shakespeare, William — Contemporary England

Refer from England — History — Elizabethan period

———**Stuarts, 1603–1714**

See also England — History — Civil war and commonwealth; Gunpowder plot; Jacobites; King William's war; Nonjurors; Popish plot; Queen Anne's war; Regicides; Rye House plot; Spanish succession, War of

Refer from Armada, 1588; Elizabethan age (s); England — History — Tudors

———**Civil war and commonwealth, 1642–1660**

See also England — History — Stuarts; Regicides

Refer from England — History — Civil war and commonwealth; Gunpowder plot; Popish plot; Regicides; Rye House plot

———**1714–1837**

See also French and Indian war; Jacobites; Napoleonic wars; Peninsular war, 1807–1814; Seven years' war; U. S. — History — Revolution

Refer from Civil war (s); Commonwealth of England (s); England — History — Stuarts; Regicides

———**Victorian period, 1837–1901**

See also Chartism; Crimean war; South African war, 1899–1902

Refer from Jacobites

———**1901–**

See also South African war, 1899–1902

English ballads *see* Ballads, English

English composition *see* Composition (English); Rhetoric

English dialects *see* English language — Dialects

English dictionaries *see* Dictionaries, English

English drama

See also American drama; Dramatists, English; English literature; Miracle, morality and mystery plays; Theater — England

Refer from American drama; Drama; Dramatists, English; English literature; English poetry; Theater — England

English essays

See also American essays; English literature

Refer from American essays; English literature; Essays

English fiction

See also American fiction; English literature

Refer from American fiction; English literature; Fiction

English grammar *see* Grammar, English

English humor *see* Humor, English

English idioms *see* Idioms, English

English in India *see* British in India

English language
See also Americanisms; Anglo-Saxon language; Briticisms; Composition (English); Dictionaries, English; Germanic languages; Grammar, English; Idioms, English; Pronunciation, English; Prosody, English; Slang; Spelling, English; Synonyms and antonyms, English
——Alphabet, *see* Alphabet
——Compositon, *see* Composition (English)
——Conversation and phrase books, *see* English language — For foreigners
——**Dialects**
See also Americanisms; Briticisms; Negro dialect
——Dictionaries, *see* Dictionaries, English
——**Etymology**
See also English language — History
——**For foreigners**
——Grammar, *see* Grammar, English
——**History**
See also English language — Etymology; English language — Middle English
——Idioms, *see* Idioms, English
——**Middle English**
——Old English, *see* Anglo-Saxon language; English language — Middle English
——Orthography, *see* Spelling, English
——Pronunciation, *see* Pronunciation, English
——Prosody, *see* Prosody, English
——Readers, *see* Readers
——Rhymes, *see* Rhyme
——Spelling, *see* Spelling, English
——**Study and teaching**
See also English language — For foreigners
——Synonyms and antonyms, *see* Synonyms and antonyms, English
——Syntax, *see* Grammar, English
English letters *see* Letters, English
English literature
See also American literature; Anglo-Saxon literature; Authors, English; Ballads, English; Canadian literature; English drama; English essays; English fiction; English poetry; Humor, English; Irish literature (English); Letters, English; Newspapers — England; Orations, English; Parodies; Periodicals — England; Satire, English; Scottish literature; Sonnets, English
——**Collections**
See also English poetry — Collections; Recitations and readings
——**History and criticism**
———**Middle English**
———**Elizabethan period**
———**17th century**

Refer from Anglo-Saxon language; England — Language (s); Germanic languages; U. S. — Language (s)

Refer from Dialects; Dictionaries, English; England — Dialects (s); English dialects (s); U. S.— Dialects (s)

Refer from English language — History
Refer from English language — Conversation and phrase books (s); English language — Study and teaching; Foreigners (s)

Refer from English language — Etymology

Refer from Early English language (s); English language — History; English language — Old English (s); Middle English language (s); Old English language (s)

Refer from American literature; Anglo-Saxon literature; Authors, English; British literature (s); England — Literature (s); English drama; English essays; English fiction; English poetry; Humor, English; Irish literature (English); Literature; Satire, English; Scottish literature

Refer from English poetry — Collections; Recitations and readings

Refer from Early English literature (s); Middle ages — Literature; Middle English literature (s); Old English literature (s)
Refer from Elizabethan age (s); Elizabethan literature (s)
Refer from Seventeenth century

English literature — History and criticism — Continued
——18th century — *Refer from* Eighteenth century
——19th century — *Refer from* Nineteenth century; Victorian literature (s)
——20th century — *Refer from* Twentieth century
——Study and teaching
English metrical romances — *Refer from* English poetry; Romances
English newspapers *see* Newspapers — England
English orations *see* Orations, English
English periodicals *see* Periodicals — England
English philosophy *see* Philosophy, English
English poetry
See also American poetry; Anglo-Saxon poetry; Ballads, English; Canadian poetry; English drama; English literature; English metrical romances; Irish poetry; Lake poets; Poets, English; Prosody, English; Scottish poetry; Songs, English; Sonnets, English — *Refer from* American poetry; Anglo-Saxon poetry; Ballads, English; British poetry (s); English literature; Lake poets; Poetry; Poets, English; Scottish poetry; Sonnets, English
——Collections — *Refer from* English literature — Collections; Recitations and readings
English satire *see* Satire, English
English songs *see* Ballads, English; Songs, English
English sonnets *see* Sonnets, English
English spelling *see* Spelling, English
English synonyms *see* Synonyms and antonyms, English
English syntax *see* Grammar, English
English wit and humor *see* Humor, English
Engravers
See also Artists — *Refer from* Artists; Biography
Engraving
See also Bank notes; Color printing; Engravings; Etching; Gems; Glyptics; Illustration of books; Lithography; Photoengraving; Photogravure; Stipple engraving; Wood engraving — *Refer from* Art; Chalcography (s); Etching; Graphic arts (s); Illustration of books; Industrial arts; Lithography; Mezzotint (s); Steel engraving (s); Stipple engraving
Engravings
See also Color prints; Etchings; Pictures — *Refer from* Drawings; Engraving; Etchings; Pictures; Prints (s)
Enigmas *see* Riddles
Enlightenment — *Refer from* Philosophy; Philosophy, Modern; Rationalism
Enlistment *see* Recruiting and enlistment
Ennui — *Refer from* Mind and body
Ensigns *see* Flags
Ensilage
See also Feeding and feeding stuffs — *Refer from* Agriculture; Feeding and feeding stuffs; Forage plants; Silage (s); Silos (s)
Entail
See also Primogeniture — *Refer from* Inheritance; Primogeniture; Property; Real estate
Enteric fever *see* Typhoid fever
Entertaining
See also Amusements; Balls (parties); Cards; Children's parties; Dinners and dining; Entertainments; Etiquet; Guests; Luncheons; Menus — *Refer from* Entertainments; Etiquet; Guests; Home economics; Hospitality; Parties (s); Society
Entertainments
See also Amateur theatricals; Amusements; Christmas entertainments; Church entertainments; Concerts; Drills and marches; Entertaining; Fairs; Festivals; Holidays; Jarley waxworks; Lectures and lecturing; — *Refer from* Amusements; Church entertainments; Entertaining; Sociables (s); Socials (s)

Moving pictures; Pageants; Panoramas; Pantomime; Recitations and readings; School entertainments; Sunday school entertainments; Tableaux; Theater

Enthusiasm
See also Emotions
Refer from Emotions; Fanaticism

Entomologists
See also Naturalists
Refer from Insects; Naturalists; Scientists; Zoologists

Entomology *see* Insects
Entomology, Economic, *see* Insects, Injurious and beneficial
Entozoa *see* Parasites
Entrance examinations *see* College entrance requirements

Environment
See also Acclimatization; Adaptation (biology); Anthropogeography; Ecology; Evolution; Heredity
Refer from Acclimatization; Adaptation (biology); Anthropogeography; Anthropology; Ecology; Evolution; Man

Envy
See also Emotions
Refer from Emotions; Ethics

Enzymes
See also Fermentation; Malt
Refer from Biology; Brewing; Digestion; Fermentation; Ferments (s); Physiological chemistry; Soluble ferments (s)

Eocene period *see* Geology, Stratigraphic — Eocene; Paleontology — Eocene
Eolithic period *see* Stone age
Ephemerides *see* Nautical almanacs

Epic poetry
See also Romances
Refer from Poetry

Epicureans
See also Philosophy, Greek
Refer from Ethics; Hedonism; Materialism; Philosophy; Philosophy, Greek

Epidemics
See also Contagion and contagious diseases; Quarantine; *also* names of contagious diseases, e.g. Black death; Cholera, Asiatic; Plague; Smallpox; Yellow fever; *also* names of countries and cities, subhead Epidemics
Refer from Contagion and contagious diseases; Hygiene, Public; Medicine — History; Pestilences (s); Plague

Epigrams
See also Maxims; Proverbs; Quotations; Table-talk; Toasts
Refer from Aphorisms (s); Apothegms (s); Humor; Literature; Maxims; Proverbs; Quotations; Sayings (s)

Epigraphy *see* Inscriptions

Epilepsy
Refer from Consanguinity; Idiocy; Medicine — Practice; Nervous system — Diseases

Episcopacy
See also Apostolic succession; Archbishops; Bishops; Catholic church; Church history; Church of England; Methodism; Ordination; Protestant Episcopal church in the U. S.
Refer from Apostolic succession; Bishops; Catholic church; Catholic church — Clergy; Church of England; Church of England — Clergy; Church polity; Methodism; Protestant Episcopal church in the U. S.

Episcopal church *see* Church of England; Methodist Episcopal church; Protestant Episcopal church in the U. S.
Epistemology *see* Knowledge; Metaphysics

Epitaphs
See also Brasses; Inscriptions; Obituaries; Tombstones
Refer from Archaeology; Biography; Burial; Cemeteries; Inscriptions; Literature; Obituaries; Tombs; Tombstones

Epithets
See also Names; Nicknames
Refer from Language; Names; Nicknames

Epizoa *see* Parasites

Equality
See also Aristocracy; Class distinction; Democracy; Individualism; Liberty; Socialism

Refer from Class distinction; Democracy; Government; Liberty; Socialism; Sociology

Equations
See also Algebra; Groups, Theory of

Refer from Algebra; Calculus; Mathematics

Equestrianism *see* Horsemanship
Equilibrium *see* Statics
Equinoxes
See also Astronomy

Refer from Astronomy; Precession of the equinoxes (s)

Equity
See also Actions at law; Chancery; Justice; Pleading and practice

Refer from Actions at law; Chancery; Jurisdiction; Justice; Law; Pleading and practice

Equivocation
See also Lying

Refer from Ethics; Falsehood (s); Lying; Prevarication (s)

Erosion
See also Coast changes; Geology; Glaciers; Physical geography; Sedimentation and deposition; Valleys

Refer from Abrasion (geology) (s); Coast changes; Denudation (s); Geology; Glaciers; Physical geography; Rivers; Sedimentation and deposition; Valleys; Water

Erratics *see* Boulders
Errors, Popular
See also Blunders; Medical delusions; Superstition

Refer from Blunders; Delusions (s); Mistakes (s); Popular errors (s)

Errors, Theory of
See also Least squares; Probabilities

Refer from Mathematics; Probabilities; Theory of errors (s)

Errors and blunders, Literary
See also Blunders; Literary forgeries and mystifications

Refer from Bibliography; Blunders; Cataloging; Literary blunders (s); Literary forgeries and mystifications; Literature; Mistakes (s)

Erse *see* Gaelic language; Irish language
Eruptive rocks *see* Igneous rocks
Erysipelas

Refer from Medicine — Practice

Escapes
See also Adventure

Refer from Adventure; Prison escapes (s)

Eschatology
See also Death; Future life; Future punishment; Heaven; Hell; Judgment day; Millennium; Purgatory; Resurrection; Second advent

Refer from Death; Future life; Judgment day; Resurrection; Second advent; Theology

Escuage *see* Scutage
Eskimo language

Refer from Indians — Languages

Eskimos
See also Alaska; Arctic regions; Ethnology — Alaska

Refer from Alaska; Arctic regions; Esquimaux (s); Ethnology — Alaska; Indians; Innuit (s)

Esoteric Buddhism *see* Theosophy
Esperanto

Refer from Language, Artificial

Esquimaux *see* Eskimos
Essayists
See also Authors

Refer from Authors

Essays
See also American essays; English essays; French essays; *also* subhead Essays, addresses, etc., under various subjects

Refer from Literature

Essences and essential oils
See also Chemistry, Technical; Flavoring extracts; Perfumery

Refer from Agricultural products; Aromatic plant products (s); Chemistry, Organic; Chemistry, Technical; Distillation; Essential oils (s); Flavoring extracts; Oil (s); Oils, Essential (s); Oils and fats; Spices; Vegetable oils (s); Volatile oils (s)

Essenes

Refer from Jews; Jews — Religion

Essential oils *see* Essences and essential oils

Estates, Unclaimed

Refer from Genealogy; Inheritance; Property; Real estate; Unclaimed estates (s)

Esthetics

See also Art; Art — Appreciation; Art — Criticism; Classicism; Color; Criticism; Grotesque; Idealism in art; Idealism in literature; Impressionism (art); Landscape; Music — Philosophy and esthetics; Naturalism in art; Naturalism in literature; Painting; Picturesque; Poetry; Proportion (art); Realism in art; Realism in literature; Rhythm; Romanticism; Sculpture; Sublime; Symmetry

Refer from Aesthetics (s); Art; Art — Appreciation; Art — Criticism; Beautiful, The (s); Beauty (s); Criticism; Literature; Painting; Philosophy; Picturesque; Psychology; Rhetoric; Sculpture; Sublime; Symmetry; Taste (esthetics) (s)

Estimates *see* subhead Estimates under technical subjects, e.g. Building — Estimates

Etching

See also Engraving; Etchings; Pyrography; Stipple engraving; Zincography

Refer from Art; Engraving; Zincography

Etchings

See also Engravings; Pictures

Refer from Drawings; Engravings; Etching; Pictures

Eternal life *see* Future life

Eternity

See also Future life

Refer from Future life; Philosophy; Time

Ether (anesthetic)

See also Anesthetics

Refer from Aether (s); Anesthetics

Ether (of space)

See also Air

Refer from Light; Luminiferous ether (s); Matter; Physics; Space; Waves

Ethical education *see* Moral education

Ethics

See also Affliction; Altruism; Amusements; Anger; Animals — Treatment; Art and morals; Asceticism; Avarice; Business ethics; Capital punishment; Character; Charity; Chastity; Cheerfulness; Christian ethics; Christian life and character; Civilization; Commandments; Compromise; Conduct of life; Conscience; Contentment; Courage; Courtesy; Crime and criminals; Cruelty; Dancing; Divorce; Dueling; Duty; Egoism; Emotions; Envy; Epicureans; Equivocation; Etiquet; Evil; Family; Fiction; Freedom of the will; Friendship; Gambling; Gentlemen; Gifts; Goodness; Habit; Happiness; Hedonism; Home; Honesty; Honor; Ideals; Interest; Justice; Kindness; Law; Legal ethics; Liberty; Liberty of conscience; Life; Literature, Immoral; Lotteries; Love; Loyalty; Lying; Manners and customs; Marriage; Medical ethics; Mercy; Moral education; Natural law; New thought; Oaths; Obedience; Patience; Patriotism; Peace; Philanthropy; Philosophy; Pleasure; Political ethics; Popularity; Pragmatism; Pride and vanity; Progress; Religion; Religion and ethics; Resignation; Secularism; Self-denial; Self-respect; Selfishness; Sexual ethics; Sin; Sincerity; Slavery; Social ethics; Social problems; Sociology; Soul; Spiritual life; Standard of living; State ethics; Stoics; Success; Suicide; Sunday; Swearing; Sympathy; Temperance; Temptation; Theater; Truth; Utilitarianism; Vice; Virtue; Vivi-

Refer from Altruism; Character; Christian ethics; Civilization; Conduct of life; Duty; Emotions; Ethology (s); Family; Hedonism; Immorality (s); Life; Man; Moral philosophy (s); Morality (s); Morals (s); Natural religion; Philosophy; Philosophy, Moral (s); Psychology; Religion; Right and wrong (s); Sociology; Theology; Vice; Virtue; Will

Ethics — Continued
section; War; Wealth; Will; Women; *also* names of countries and cities, subhead Moral conditions
——Christian, *see* Christian ethics
——Commercial, *see* Business ethics
——**History**
——**Japanese**

Refer from Japan — Social life and customs; Japanese ethics (s)

——**Jewish**

Refer from Jewish ethics (s); Jews — Ethics (s); Jews — Social life and customs

——Legal, *see* Legal ethics
——Medical, *see* Medical ethics
——National, *see* State ethics
——Political, *see* Political ethics
——Practical, *see* Conduct of life
——Sexual, *see* Sexual ethics
——Social, *see* Social ethics
——State, *see* State ethics
Ethics and religion *see* Religion and ethics
Ethnic psychology *see* Ethnopsychology
Ethnography *see* Ethnology
Ethnology
See also Anthropogeography; Anthropology; Anthropometry; Archaeology; Art, Primitive; Bible — Ethnology; Cannibalism; Cave dwellers; Civilization; Cliff dwellers and cliff dwellings; Climate; Color of man; Consanguinity; Costume; Ethnopsychology; Evolution; Folklore; Headhunters; Industries, Primitive; Lake dwellers and lake dwellings; Language; Man; Manners and customs; Migration of nations; Mounds and mound builders; Mythology; National characteristics; Nations; Race problems; Savages; Skull; Society, Primitive; Tattooing; Totems and totemism; *also* names of countries, subhead Social life and customs, and names of races, tribes and peoples, e.g. Aryans, Gipsies, Hamites, Indians, Malays, Negroes, Semitic race, Yellow races

Refer from Aborigines (s); Anthropology; Archaeology; Civilization; Ethnography (s); Geography; History; Man; Manners and customs; Migration of nations; Native races (s); Race characteristics (s); Races of man (s); Science

——**U. S.**
See also Anglo-Saxons; Indians; Race problems — U. S.

Refer from U. S.— Ethnology (s)

Ethnopsychology
See also National characteristics; Social psychology

Refer from Anthropology; Ethnic psychology (s); Ethnology; Folk psychology (s); National characteristics; Psychology; Psychology, Comparative; Psychology, Ethnic (s); Psychology, Racial (s); Race psychology (s); Social pyschology; Sociology

Ethology *see* Ethics
Etiquet
See also Conversation; Courtesy; Courts and courtiers; Dancing; Dinners and dining; Entertaining; Gentlemen; Guests; Letter writing; Manners and customs; Precedence; Salutations; Society; Weddings; *also* names of countries, subhead Social life and customs

Refer from Behavior (s); Ceremonies (s); Conduct of life; Courtesy; Entertaining; Ethics; Gentlemen; Ladies (s); Letter writing; Manners (s); Manners and customs; Politeness (s); Self-culture; Society; Usages (s); Weddings; Women

Etymology
See also Names; Words; *also* names of languages, subhead Etymology

Refer from Grammar; Language; Words

Eucharist *see* Lord's supper; Mass
Euchre
See also Cards

Refer from Cards

Eudiometer
Refer from Chemistry — Analysis; Gases

Eugenics
See also Consanguinity; Degeneration; Heredity; Marriage; Prenatal influences
Refer from Anthropology; Breeding; Children; Civilization; Heredity; Man; Marriage; Parents; Prenatal influences; Race improvement (s); Social problems; Sociology

Europe — History
——To 476
See also Migration of nations
——476–1492, *see* Middle ages — History
——1492–1789
See also Austrian succession, War of; Eighteenth century; History, Modern; Seven years' war; Seventeenth century; Sixteenth century; Spanish succession, War of; Thirty years' war
Refer from Austrian succession, War of; History, Modern; Seven years' war; Spanish succession, War of; Thirty years' war
——1789–
See also Crimean war; History, Modern; Holy alliance; Napoleonic wars; Nineteenth century; Peninsular war, 1807–1814; Triple alliance
Refer from Crimean war; History, Modern; Holy alliance; Napoleonic wars; Nineteenth century; Peninsular war, 1807–1814; Triple alliance

European literature
See also Literature; *also* names of literatures
Refer from Literature

Evaluation of literature *see* Book reviews; Books and reading; Books and reading — Best books; Criticism; Literature — History and criticism

Evangelical alliance
Refer from Christian union; U. S.— Religious history

Evangelical Lutheran church *see* Lutheran church

Evangelistic work
See also Conversion; Missions; Revivals; Salvation army
Refer from Church work; Conversion; Missions; Revivals

Evangelists *see* Apostles; Bible — New Testament; Missionaries

Evaporation
See also Distillation; Drying
Refer from Chemistry; Meteorology; Physics; Vapor (s)

Evaporation of fruit *see* Fruit — Evaporation

Evening and continuation schools
Refer from Continuation schools (s); Education; Education, Secondary; Evening schools (s); Night schools (s); Public schools; Schools

Evening schools *see* Evening and continuation schools

Evergreens
See also Forests and forestry; Hedges; Trees
Refer from Forests and forestry; Hedges; Landscape gardening; Trees

Eviction
Refer from Landlord and tenant; Rent

Evidence
See also Affidavits; Certainty; Expert evidence; Identification; Logic; Witnesses
Refer from Acknowledgments; Actions at law; Circumstantial evidence (s); Criminal law; Faith; Identification; Law; Logic; Philosophy; Presumptive evidence (s); Proof (s); Testimony (s); Trials; Witnesses

Evidences of Christianity *see* Christianity — Evidences

Evidences of the Bible *see* Bible — Evidences and authority

Evil
See also Dualism; Sin; Temptation
Refer from Ethics; Religion; Sin; Temptation; Theology

Evil eye
See also Charms; Superstition; Witchcraft
Refer from Demonology; Folklore; Magic; Superstition; Witchcraft

Evil spirits *see* Demonology

Evolution

See also Adaptation (biology); Anatomy, Comparative; Anthropology; Biology; Color of animals; Color of man; Color of plants; Creation; Degeneration; Embryology; Environment; Heredity; Life — Origin; Man — Origin and antiquity; Mendel's law; Mimicry (biology); Missing link; Natural selection; Religion and science; Species; Teleology; Variation (biology)

Refer from Adaptation (biology); Anthropology; Biology; Botany; Creation; Darwinism (s); Degeneration; Development (s); Environment; Ethnology; Geology; Heredity; Lamarckism (s); Man; Man — Origin and antiquity; Materialism; Natural history; Natural selection; Origin of species (s); Philosophy; Philosophy, Modern; Religion and science; Science; Sociology; Species; Teleology; Variation (biology); Zoology

Ex libris *see* Bookplates

Examination of witnesses *see* Witnesses

Examination questions *see* Examinations

Examinations

See also Civil service examinations; College entrance requirements; Teachers — Examinations and certificates

Refer from Competitive examinations (s); Education; Examination questions (s); Teaching

Excavating machinery

See also Dredging; Mining machinery; Rock drills

Refer from Dredging; Excavation; Machinery; Mining machinery

Excavation

See also Earthwork; Excavating machinery; Tunnels

Refer from Civil engineering; Earthwork

Excavations *see* Archaeology; Earthworks (archaeology)

Exchange

See also Balance of trade; Clearing houses; Commerce; Economics; Finance; Foreign exchange; Money; Stock exchange; Stocks; Supply and demand

Refer from Banks and banking; Bills of exchange (s); Business; Clearing houses; Commerce; Commercial law; Economics; Finance; Money; Negotiable instruments; Supply and demand

Excise laws *see* Internal revenue laws

Excommunication

See also Church discipline; Interdict

Refer from Catholic church; Catholic church — Government; Church discipline; Church polity; Interdict

Ex-convicts *see* Discharged prisoners

Excursions, School, *see* School excursions

Executioners

Refer from Biography; Capital punishment

Executions *see* Capital punishment

Executive ability

See also Ability; Efficiency, Industrial; Leadership; Scientific management

Refer from Ability; Efficiency, Industrial; Leadership; Scientific management

Executive power

See also Constitutional law; Monarchy; Pardon; Presidents; Veto

Refer from Constitutional law; Government; Presidents

Executors *see* Administrators and executors

Exegesis *see* Bible — Criticism and interpretation

Exemption from taxation *see* Taxation, Exemption from

Exercise

See also Gymnastics; Physical education; Play; Running; Training; Walking

Refer from Gymnastics; Hygiene; Physical education; Therapeutics

Exhaustion *see* Fatigue; Neurasthenia

Exhibitions

See also Agricultural exhibitions; Art — Galleries and museums; Museums; *also* special exhibitions, and subhead Exhibitions under names of cities and under various subjects, e.g. Art — Exhibitions

Refer from Expositions (s); Fairs; Industrial arts; Industrial exhibitions (s); International exhibitions (s); Museums; World's fairs (s)

Exile

See also Expatriation; Penal colonies; Siberia — Exiles

Refer from Banishment (s); Expatriation; Penal colonies; Punishment

Exorcism *see* Witchcraft

Expansion (physics)
See also Gases; Heat — *Refer from* Heat; Physics

Expansive classification *see* Classification, Expansive

Expatriation
See also Aliens; Citizenship; Exile; Naturalization — *Refer from* Aliens; Citizenship; Exile

Expeditions, Scientific, *see* Scientific expeditions

Experience
See also Pragmatism — *Refer from* Knowledge; Psychology

Experiment stations *see* Agricultural experiment stations

Experimental chemistry *see* Chemistry — Laboratory manuals

Experimental psychology *see* Psychology, Physiological

Experiments *see* under subject, e.g. Agricultural experimentation; Animal experimentation; Chemistry — Laboratory manuals; Electricity — Experiments; Physics — Experiments

Expert evidence
See also Medical jurisprudence — *Refer from* Evidence; Expert testimony (s); Medical jurisprudence; Trials; Witnesses

Expert testimony *see* Expert evidence

Explorations *see* Discoveries and explorations

Explorers
See also Discoveries and explorations; Travelers; Voyages and travels; *also* names of continents and countries, subheads Description and travel, and Discovery and exploration — *Refer from* Adventure; Biography; Discoverers (s); Discoveries and explorations; Geography; Heroes; Travelers; Voyagers (s); Voyages and travels

Explosions
See also Boiler explosions; Explosives; Insurance, Casualty; Mine accidents; Safety lamps — *Refer from* Accidents

Explosives
See also Ammunition; Blasting; Chemistry, Technical; Dynamite; Guncotton; Gunpowder; Mines, Military; Nitroglycerin; Torpedoes — *Refer from* Blasting; Chemistry, Technical; Dynamite; Explosions; Guncotton; Gunnery; Gunpowder; Manufactures; Military art and science; Mines, Military; Mining engineering; Nitroglycerin

Exportation *see* Commerce; Penal colonies; Tariff

Exports *see* Commerce; Tariff

Expositions *see* Exhibitions

Express companies
See also Carriers; Parcels post — *Refer from* Carriers; Public service corporations; Railroads; Transportation

Expression
See also Anatomy, Artistic; Delsarte system; Elocution; Physiognomy; Rhetoric — *Refer from* Acting; Anatomy, Artistic; Delsarte system; Dramatic expression (s); Elocution; Emotions; Face; Physiognomy

Expropriation *see* Eminent domain

Exterritorial jurisdiction *see* Exterritoriality

Exterritoriality
See also Ambassadors; Consuls — *Refer from* Ambassadors; Consuls; Diplomatic and consular service; Exterritorial jurisdiction (s); Extraterritoriality (s); International law

Extinct animals *see* Animals, Extinct; Paleontology

Extra illustration — *Refer from* Grangerism (s); Illustration of books

Extracts, Flavoring, *see* Flavoring extracts

Extradition
See also Asylum, Right of; Political offenses

Refer from Arrest; Crime and criminals; Criminal law; International law; Law; Political offenses

Extraterritoriality *see* Exterritoriality

Extravagance
See also Sumptuary laws; Thrift

Refer from Conduct of life; Standard of living; Thrift

Extreme unction *see* Unction

Eye
See also Blind; Light; Sight; Spectacles

Refer from Anatomy; Eyes (s); Face; Head; Light; Ophthalmology (s); Optics, Physiological (s); Sight; Spectacles; Vision (s)

——Diseases and defects
See also Astigmatism; Blind; Color blindness; Eyestrain; Myopia; Ophthalmia

Refer from Astigmatism; Medicine — Practice; Myopia; Ophthalmia

Eye-glasses *see* Spectacles

Eye-strain *see* Eyestrain

Eyes *see* Eye

Eyestrain

Refer from Eye — Diseases and defects; Eye-strain (s)

Fables
See also Allegories; Animal lore; Bestiaries; Folklore; Parables

Refer from Allegories; Animal lore; Animals — Stories; Fiction; Folklore; Legends; Literature; Parables

Fabliaux

Refer from French poetry; Trouvères

Face
See also Beauty, Personal; Color of man; Cosmetics; Expression; Eye; Mouth; Nose; Physiognomy

Refer from Head; Physiognomy

Facetiæ *see* Humor

Factories
See also Factory inspection; Factory laws; Factory management; Factory system; Mills and millwork; Textile factories

Refer from Architecture; Factory system; Industrial arts; Manufactures; Mills and millwork

Factors *see* Brokers and factors

Factory costs *see* Cost accounting

Factory inspection
See also Employers' liability; Factory laws

Refer from Employers' liability; Factories; Factory laws; Factory system; Inspection of factories (s)

Factory laws
See also Child labor; Employers' liability; Factory inspection; Hours of labor; Labor laws; Women — Employment

Refer from Children — Law; Employers' liability; Factories; Factory inspection; Factory system; Government regulation of industry; Labor laws

Factory management
See also Cost accounting; Factory system; Scientific management

Refer from Factories; Factory system; Management of factories, shops, etc (s); Scientific management; Works management (s)

Factory system
See also Child labor; Factories; Factory inspection; Factory laws; Factory management; Hours of labor; Women — Employment

Refer from Child labor; Economics; Factories; Factory management; Industry; Labor and laboring classes; Manufactures; Women — Employment

Factory waste *see* Refuse and refuse disposal; Waste products

Faience *see* Pottery

Failure (in business) *see* Bankruptcy

Fair trade *see* Reciprocity

Fairies
See also Fairy tales; Folklore

Refer from Elves (s); Fairy tales; Folklore; Gnomes (s); Goblins (s); Superstition

Fairs
See also Agricultural exhibitions; Exhibitions; *also* names of cities, subhead Fairs

Refer from Amusements; Commerce; Entertainments; Festivals

Fairy tales
See also Fairies; Folklore

Refer from Children's literature; Fairies; Fiction; Folklore; Legends; Literature; Mythology; Stories (s)

Faith
See also Agnosticism; Belief; Certainty; Creeds; Evidence; Justification; Religion; Sects; Skepticism; Theology; Truth

Refer from Authority (in religion); Belief; Certainty; Christian life and character; Doubt (s); Justification; Religion; Religious belief (s); Theology

Faith cure
See also Christian science; Emmanuel movement; Mental healing; Miracles; Suggestive therapeutics

Refer from Divine healing (s); Medicine and religion; Mental healing; Subconsciousness; Suggestive therapeutics; Therapeutics

Falconry
See also Game birds

Refer from Birds; Fowling (s); Game birds; Hawking (s); Hunting; Sports

Fall *see* Autumn

Fall of man
See also Bible — Old Testament — Genesis; Eden; Sin

Refer from Bible; Bible — Old Testament — Genesis; Eden; Sin; Temptation; Theology

Fallacies
See also Logic

Refer from Logic

Falling stars *see* Meteors
Falls *see* Waterfalls
Falsehood *see* Equivocation; Lying

Fame
See also Hall of fame

Refer from Success

Families *see* Family; Genealogy

Family
See also Ancestor worship; Children; Divorce; Domestic relations; Ethics; Fathers; Home; Home economics; Home education; Husbands; Marriage; Matriarchy; Mothers; Parents; Patriarchy; Tribes and tribal system; Widows; Wives; Women

Refer from Children; Consanguinity; Domestic relations; Ethics; Families (s); Home; Home economics; Husbands; Kinship (s); Man; Marriage; Parents; Social problems; Sociology; Tribes and tribal system; Wives; Women

Family histories *see* names of countries and cities, subhead Genealogy; *also* names of individual families
Family prayer *see* Family worship

Family worship
See also Devotional exercises; Prayer; Prayers

Refer from Devotional exercises; Family prayer (s); Prayer; Prayers; Worship

Famines
See also Starvation

Refer from Food supply; History; Relief work (s); Starvation

Fan *see* Fans
Fan blowers *see* Fans, Mechanical
Fan drill *see* Drills and marches

Fanaticism
See also Asceticism; Enthusiasm; Flagellants; Inquisition; Persecution

Refer from Intolerance (s); Religion; Theology

Fancy *see* Imagination
Fancy dress *see* Costume

Fancy work
See also Artificial flowers; Beadwork; Crocheting; Decoration and ornament; Drawn work; Embroidery; Knitting; Lace; Leather work; Needlework

Refer from Crocheting; Decoration and ornament; Domestic arts; Drawn work; Embroidery; Home economics; House decoration; Knitting; Needlework; Women

Fans
See also Costume

Refer from Costume; Fan (s)

Fans—Continued

——Electric
See also Fans, Mechanical

Refer from Electric apparatus and appliances; Electric fans (s); Fans, Mechanical; Ventilating fans (s); Ventilation

——Mechanical
See also Fans, Electric; Mechanical draft

Refer from Blowers (s); Centrifugal fans (s); Fan blowers (s); Fans, Electric; Machinery; Mechanical draft; Mechanical fans (s); Ventilating fans (s); Ventilation

Far East *see* East

Far-eastern question *see* Eastern question (Far East)

Farm animals *see* Domestic animals; Live stock

Farm buildings
See also Architecture, Domestic; Barns and stables; Poultry houses

Refer from Agricultural physics; Agriculture; Architecture; Architecture, Domestic; Architecture, Rural (s); Barns and stables; Country houses; Farm houses (s); Poultry houses; Rural architecture (s)

Farm colonies

Refer from Agricultural colonies (s); Agriculture; Charities; Colonies and colonization; Labor and laboring classes; Labor colonies (s); Land; Poor; Salvation army; Unemployed

Farm houses *see* Architecture, Domestic; Country houses; Farm buildings

Farm implements and machinery
See also Electricity on the farm; Farm motors; Harvesting machinery; Mowing machines; Plows

Refer from Agricultural implements (s); Agricultural machinery (s); Agricultural tools (s); Agriculture; Electricity on the farm; Farm machinery (s); Farm motors; Farm tools (s); Harvesting machinery; Implements, utensils, etc.; Machinery; Mowing machines; Plows; Tools

Farm labor
See also Peasantry

Refer from Agricultural laborers (s); Agriculture; Farm management; Farmers; Labor and laboring classes; Peasantry

Farm laws *see* Agricultural laws

Farm life
See also City and country; Country life; Farmers; Gardening; Ranch life

Refer from Agriculture; City and country; Country life; Farmers; Farming (s); Outdoor life; Rural life (s)

Farm machinery *see* Farm implements and machinery

Farm management
See also Farm labor; Market gardening; Marketing of farm produce; Rotation of crops

Refer from Agriculture; Farms; Marketing of farm produce; Range management (s)

Farm motors
See also Electricity on the farm; Farm implements and machinery; Traction engines; Windmills

Refer from Agricultural physics; Electricity on the farm; Engines; Farm implements and machinery; Motors

Farm products *see* Agricultural products; Marketing of farm produce

Farm schools

Refer from Agriculture — Study and teaching; Education; School farms (s); Schools

Farm tools *see* Farm implements and machinery

Farm values
See also Farms, Abandoned

Refer from Agriculture; Farms; Real estate; Value

Farmers
See also Agricultural societies; Agriculture; Farm labor; Farm life; Grange

Refer from Agriculture; Farm life

Farmers' institutes

Refer from Agricultural societies; Agriculture; Institutes, Farmers' (s)

Farming *see* Agriculture; Farm life
Farming, Dry, *see* Dry farming
Farms
See also Agriculture; Farm management; Farm values

Refer from Agriculture; Land; Real estate

——**Abandoned**

Refer from Abandoned farms (s); Farm values

Farriery *see* Horse; Horseshoeing; Veterinary medicine
Fashion
See also Clothing; Costume; Dandies; Dressmaking; Hairdressing; Tailoring

Refer from Costume; Hairdressing; Social psychology; Style (in dress) (s)

Fasting
See also Asceticism; Fasts and feasts; Lent; Starvation

Refer from Abstinence (s); Asceticism; Penance

Fasts and feasts
See also Advent; Ash Wednesday; Christian year; Christmas; Easter; Festivals; Good Friday; Holidays; Holy week; Lent; Sunday; Thanksgiving day

Refer from Catholic church; Christian antiquities; Christian year; Church calendar (s); Church ceremonies (s); Church festivals (s); Church of England; Church polity; Days; Ecclesiastical fasts and feasts (s); Fasting; Feasts (s); Festivals; Holidays; Holy days (s); Holy week; Lent; Protestant Episcopal church in the U. S.; Religion; Religious festivals (s); Rites and ceremonies

Fat *see* Corpulence; Oils and fats
Fatalism *see* Fate and fatalism
Fate and fatalism
See also Fortune telling; Freedom of the will; Predestination

Refer from Destiny (s); Fatalism (s); Fortune (s); Luck (s); Philosophy

Fathers
See also Parents

Refer from Children; Family; Husbands; Parents

Fathers of the church
See also Apostolic canons; Apostolic constitutions; Apostolic fathers; Church history — Early church; Councils and synods; Saints

Refer from Ante-Nicene fathers (s); Apostolic fathers; Catholic church; Catholic church — Biography; Christian biography; Church fathers (s); Church history; Church history — Early church; Patristics (s); Patrology (s); Post-Nicene fathers (s); Saints; Theology

Fatigue
See also Overwork; Rest

Refer from Exhaustion (s); Hygiene; Nervous system; Overwork; Rest; Weariness (s)

——**Mental**
See also Mental hygiene; Neurasthenia; Overpressure (education)

Refer from Brain; Mental exhaustion (s); Mental fatigue (s); Mental hygiene; Mental overwork (s); Mind and body; Neurasthenia; Psychology, Physiological

Fats *see* Oils and fats
Fauna *see* Zoology
Fauns

Refer from Mythology

Faust

Refer from Legends

Favored nation clause *see* Commercial treaties
Fayence *see* Pottery
Fear
See also Courage; Emotions; Worry

Refer from Anxiety (s); Emotions; Worry

Feasts *see* Fasts and feasts
Feathers

Refer from Animal products; Birds; Millinery

Fecundity
See also Reproduction

Refer from Fertility (s); Reproduction; Vital statistics

Federal courts *see* U. S. — Courts

Federal government
See also Democracy; Nationalism, New; Republics; Secession; State governments; State rights
Refer from Confederacies (s); Constitutional law; Democracy; Free institutions; Government; Republics; Secession

Federal ownership *see* Government ownership
Federal regulation of industry *see* Government regulation of industry
Federation, Imperial, *see* Imperial federation

Feeble-minded
See also Children, Abnormal and backward; Defectives; Idiocy
Refer from Brain; Children, Abnormal and backward; Defectives; Idiocy; Imbecility (s); Insanity; Mental diseases; Mentally deficient children (s)

Feed *see* Feeding and feeding stuffs

Feed water
See also Boiler scale; Boilers; Feed-water heaters; Injectors; Water — Purification
Refer from Boiler scale; Boilers; Water; Water — Purification

Feed-water heaters
Refer from Feed water

Feeding and feeding stuffs
See also Alfalfa; Clover; Corn; Ensilage; Forage plants; Grain; Grasses; Hay; Live stock; Oats; Root crops
Refer from Agriculture; Alfalfa; Cattle; Corn; Ensilage; Feed (s); Fodder (s); Forage plants; Grasses; Hay; Live stock; Sheep; Soiling crops (s); Swine

Feeling *see* Touch
Feelings *see* Emotions
Feet *see* Foot
Felony *see* Crime and criminals
Females *see* Women

Fence wire
Refer from Barbed wire (s); Fences; Wire

Fences
See also Fence wire; Gates; Hedges; Railings
Refer from Architecture; Gates; Railings

Fencing
See also Dueling; Swords
Refer from Amusements; Athletics; Dueling; Fighting (s); Military art and science; Sports; Swords

Fenians (society)
See also Canada — History — 1867–; Home rule — Ireland; Ireland — History; Ireland — Politics
Refer from Canada — History — 1867–; Home rule — Ireland; Ireland — History; Ireland — Politics; Secret societies

Fens *see* Marshes

Fermentation
See also Bacteriology; Brewing; Chemistry, Organic; Chemistry, Technical; Enzymes; Putrefaction; Yeast
Refer from Bacteriology; Botany — Physiology; Chemistry; Chemistry, Organic; Chemistry, Technical; Enzymes; Ferments (s); Liquors; Physiological chemistry; Putrefaction; Yeast

Ferments *see* Enzymes; Fermentation

Ferns
See also Cryptogams
Refer from Cryptogams; Filices (s)

Ferries
See also names of cities, subhead Ferries
Refer from Inland navigation; Transportation; Waterways

Ferro-concrete *see* Concrete, Reinforced

Ferrotype
Refer from Photography; Tintype (s)

Fertility *see* Fecundity; Soil fertility

Fertilization of plants
See also Botany — Physiology; Color of flowers; Plant breeding
Refer from Botany; Botany — Physiology; Color of flowers; Flowers; Insects; Plants; Plants — Fertilization (s); Pollination (s)

Fertilizers and manures
See also Agricultural chemistry; Alfalfa; Ammonia; Guano; Gypsum; Lime; Nitrification; Peat; Phosphates; Soil inoculation
Refer from Agricultural chemistry; Agriculture; Guano; Manures (s); Phosphates; Soil fertility; Soils

Festivals
See also Fairs; Fasts and feasts; Holidays; May day; Musical festivals; Pageants; Play festivals; Processions; Tournaments; *also* names of cities, subhead Festivals, etc.

Refer from Amusements; Carnivals (s); Celebrations (s); Days; Entertainments; Fasts and feasts; Holidays; Pageants; Religious festivals (s)

Fetichism *see* Fetishism

Fetishism
See also Animism; Idolatry; Tree worship; Voodooism

Refer from Animism; Fetichism (s); Idolatry; Indians — Religion; Superstition; Worship

Feudal system *see* Feudalism

Feudalism
See also Chivalry; Civilization, Medieval; Clans; Knights and knighthood; Manors; Middle ages; Peasantry; Scutage; Serfdom; Villeinage

Refer from Chivalry; Civilization, Medieval; Feudal system (s); Government; Knights and knighthood; Land tenure; Law; Manors; Middle ages; Scutage; Serfdom; Sociology; Vassals (s); Villeinage

Feuds *see* Vendetta

Fever
See also Hay fever; Malaria; Scarlet fever; Typhoid fever; Typhus fever; Yellow fever

Refer from Inflammation; Medicine — Practice; Pathology

Fiat money *see* Coinage; Greenbacks; Legal tender; Paper money

Fibers
See also Cotton; Flax; Hemp; Jute; Linen; Ramie; Silk; Textile industry and fabrics; Wool

Refer from Agricultural products; Cordage; Cotton; Fibres (s); Flax; Hemp; Jute; Linen; Ramie; Textile fibers (s); Textile industry and fabrics

Fibres *see* Fibers

Fiction
See also Allegories; Fables; Fairy tales; Folklore; Historical fiction; Idealism in literature; Legends; Naturalism in literature; Novelists; Plots (drama, novel, etc.); Realism in literature; Romances; Short stories; *also* American fiction, English fiction, etc.; *also* Automobile stories, College stories, Detective stories, Railroad stories, School stories, Sea stories, and similar headings, and subhead Fiction under various subjects

Refer from Ethics; Literature; Novels (s); Romance (s); Romances; Short stories; Stories (s)

——Historical, *see* Historical fiction

Fiction in libraries
See also Children's literature

Refer from Books and reading; Children's literature; Libraries; Libraries and fiction (s); Library administration

Fictitious names *see* Pseudonyms; Fiction — Dictionaries; Literature — Dictionaries

Fiddle *see* Violin

Fidelity *see* Loyalty

Field artillery *see* Artillery

Field hospitals *see* Hospitals, Military; Medicine, Military

Field sports *see* Hunting; Sports; Track athletics

Fifteenth century
See also Renaissance

Refer from History, Modern; Middle ages; Renaissance

Fighting *see* Boxing; Bullfights; Dueling; Fencing; Gladiators; Military art and science; Naval art and science; Tournaments; War

Figure drawing
See also Anatomy, Artistic; Figure painting

Refer from Anatomy, Artistic; Drawing; Figure painting; Human figure in art (s)

Figure of the earth *see* Earth — Figure

Figure painting
See also Anatomy, Artistic; Figure drawing; Painting; Proportion (art)
Refer from Anatomy, Artistic; Figure drawing; Human figure in art (s); Painting

Figures of speech *see* Rhetoric

Files and rasps
Refer from Hardware; Rasps (s); Tools

Filibusters
See also Buccaneers; Cuba — History; Pirates
Refer from Buccaneers; Cuba — History; Freebooters (s)

Filices *see* Ferns

Filters and filtration
See also Water — Purification; Water supply
Refer from Filtration (s); Sanitary engineering; Sewage; Water — Purification; Water supply

Filtration *see* Filters and filtration

Final cause *see* Causation; Teleology

Finance
See also Auditing; Bankruptcy; Banks and banking; Bimetallism; Bonds; Business depression; Capital; Capitalists and financiers; Church finance; Claims; Commerce; Corporations; Credit; Debts, Public; Economics; Exchange; Foreign exchange; Income; Insurance; Interest; Internal revenue laws; Investments; Loans; Money; Municipal finance; Panics; Prices; Repudiation; Securities; Silver (as money); Sinking funds; Speculation; Stock exchange; Stocks; Tariff; Taxation; Trust companies; Trusts; Wealth; *also* names of countries, subhead Finance
Refer from Banks and banking; Bimetallism; Bonds; Business; Commerce; Debts, Public; Economics; Exchange; Funds (s); Government; History; Income; Loans; Money; Paper money; Revenue (s); Taxation; Wealth

Financial crises *see* Panics

Financiers *see* Capitalists and financiers

Finding lists *see* Catalogs, Library

Fine arts *see* Art

Finger plays
Refer from Kindergarten

Finger marks *see* Finger prints

Finger prints
See also Bertillon system; Identification
Refer from Anthropometry; Bertillon system; Finger marks (s); Fingers (s); Hand; Identification

Finger rings *see* Rings

Fingers *see* Finger prints; Hand

Finite *see* Infinite

Finnish language
See also Ural-Altaic languages
Refer from Ural-Altaic languages

Finnish literature
See also Finnish poetry
Refer from Finnish poetry

Finnish poetry
See also Finnish literature
Refer from Finnish literature

Fire
See also Combustion; Fires; Flame; Fuel; Heat; Heating; Smoke; *also* headings beginning Fire
Refer from Chemistry; Combustion; Flame; Heat

Fire alarms
Refer from Electric apparatus and appliances; Fires; Signals

Fire balls *see* Meteors

Fire boats
Refer from Boats and boating; Fire protection; Steamboats

Fire damp
See also Mine accidents; Mine fires; Mine ventilation
Refer from Gases; Marsh gas (s); Mine accidents; Mine fires; Mine ventilation

Fire departments
See also Fire protection; Firemen; *also* official reports of fire departments under names of cities
Refer from Fire protection; Firemen

Fire drills

Refer from Fire protection; School management

Fire engines

Refer from Engines; Fire protection; Steam engines

Fire escapes

Refer from Building; Building laws; Fire protection

Fire etching *see* Pyrography
Fire insurance *see* Insurance, Fire
Fire-places *see* Fireplaces
Fire prevention *see* Fire protection
Fire-proof buildings *see* Fireproof construction

Fire protection
See also Fire boats; Fire departments; Fire drills; Fire engines; Fire escapes; Fireproof construction; Fireproofing

Refer from Fire departments; Fire prevention (s); Fires; Municipal improvement; Protection from fire (s)
Refer from Ordeals; Rites and ceremonies

Fire walk

Fire worship
See also Parsees; Zoroastrianism

Refer from Elements, Worship of; Parsees; Worship; Zoroastrianism

Firearms
See also Ammunition; Arms and armor; Arsenals; Artillery; Gunnery; Gunpowder; Guns; Ordnance; Pistols; Projectiles; Rifles; Shooting; Shotguns; Target practice

Refer from Ammunition; Arms and armor; Gunnery; Guns; Military art and science; Ordnance; Pistols; Projectiles; Rifles; Shooting; Small arms (s); Weapons (s)
Refer from Cookery; Hay boxes (s); Hay stoves (s); Home economics; Stoves

Fireless cookers

Firemen
See also Fire departments

Refer from Fire departments; Life-saving

Fireplaces
See also Architecture, Domestic; Chimneys; Mantels

Refer from Architecture; Architecture, Domestic; Chimneys; Fire-places (s); Heating; House decoration; Mantels

Fireproof construction
See also Building laws; Concrete construction; Fireproofing; Steel construction

Refer from Architecture; Building; Building laws; Building materials; Concrete construction; Fire-proof buildings (s); Fire protection; Fireproofing

Fireproofing
See also Asbestos; Fireproof construction

Refer from Fire protection; Fireproof construction; Insurance, Fire

Fires
See also Chimneys; Fire alarms; Fire protection; Forest fires; Insurance, Fire; Mine fires; *also* names of cities, subhead Fires and fire prevention

Refer from Conflagrations (s); Disasters; Fire; Life-saving; Theater fires (s)

Fireworks

Refer from Chemistry, Technical; Pyrotechnics (s)

First aid in illness and injury
See also Accidents; Bandages and bandaging; Battlefield relief; Burns and scalds; Drowning; Poisons

Refer from Accidents; Ambulance drill (s); Ambulances; Bandages and bandaging; Battlefield relief; Burns and scalds; Drowning; Emergencies (s); Hospitals; Injuries (s); Life-saving; Medicine; Medicine, Military; Nurses and nursing; Poisons; Relief work (s); Surgery; Surgery, Military; Therapeutics

Fish
See also Aquariums; Fish as food; Fish culture; Fisheries; Fishing; Marine zoology; Vertebrates; *also* names of fishes, e.g. Salmon, Trout

Refer from Fisheries; Fishes (s); Ichthyology (s); Marine zoology; Pisces (s); Salmon; Trout; Vertebrates; Zoology

——U. S.
See also Fisheries — U. S.

Refer from Fisheries — U. S.; U. S.— Fish (s); U. S.— Ichthyology (s); Zoology — U. S.

Fish as food
See also Sea food

Refer from Cookery; Fish; Food; Sea food

Fish culture
See also Fisheries

Refer from Fish; Fisheries; Pisciculture (s)

Fisheries
See also Fish; Fish culture; Fishing; Seals (animals)

Refer from Fish; Fish culture; Fishing; Industrial arts; Sea fisheries (s)

——U. S.
See also Fish — U. S.

Refer from Fish — U. S.; U. S.— Fisheries (s); U. S.— Foreign relations; U. S.— Industries and resources

Fishermen
See also Fishing; Missions — Seamen

Refer from Fishing

Fishes *see* Fish

Fishing
See also Fisheries; Fishermen; Game laws; Harpoons; Salmon; Trout

Refer from Angling (s); Aquatic sports; Fish; Fisheries; Fishermen; Hunting; Outdoor life; Sports

Five nations *see* Iroquois Indians

Flag day

Refer from Flags; Holidays

Flagellants

Refer from Church history; Church history — Middle ages; Fanaticism; Flagellation (s); Flogging; Penitentes (s); Sects

Flagellation *see* Flagellants; Flogging

Flags
See also Flag day; Signals

Refer from Banners (s); Ensigns (s); Heraldry; Military art and science; Signals; Standards (s)

Flame
See also Fire

Refer from Fire; Heat

Flash-light photography *see* Photography, Flash-light

Flats *see* Apartment houses

Flavoring extracts
See also Essences and essential oils; Vanilla

Refer from Cookery; Essences and essential oils; Extracts, Flavoring (s); Food; Vanilla

Flax
See also Fibers; Linen

Refer from Fibers; Linen; Textile industry and fabrics; Yarn

Fleets *see* Navies; Ships; Warships

Flemish language
See also Germanic languages

Refer from Germanic languages; Low German language

Flies
See also Diptera; Hessian flies; Insects as carriers of contagion; Tsetse flies

Refer from Contagion and contagious diseases; Diptera; Fly (s); House flies (s); Household pests; Insects as carriers of contagion

Flight
See also Aerodynamics; Aeronautics; Animal locomotion; Animal mechanics; Birds; Flying machines; Wings

Refer from Aerodynamics; Aeronautics; Animal locomotion; Animal mechanics; Birds; Flying (s); Locomotion; Wings

Flint implements *see* Stone implements

Flogging
See also Corporal punishment; Flagellants

Refer from Corporal punishment; Flagellation (s); Punishment; Rod, The (s); Whipping (s)

Flood *see* Deluge

Floods
See also Insurance, Casualty; Meteorology; Rivers

Refer from Disasters; History; Hydraulic engineering; Inundations (s); Meteorology; Rivers

Floors
See also Building; Carpets; Linoleum; Mosaics; Pavements; Rugs; Sweeping

Refer from Architecture; Building; Carpentry

Flora *see* Botany

Floral decoration
See also Church decoration and ornament; Flowers

Refer from Church decoration and ornament; Decoration and ornament; Flowers; House decoration

Floral design *see* Design, Decorative· Plant forms

Floriculture
See also Annuals (plants); Bulbs; Electro-horticulture; Flowers; Fumigation of plants; Gardening; Greenhouses; Plant breeding; Plant propagation; Window gardening; *also* names of special flowers, e. g. Carnations; Lilies; Orchids; Roses; Violets

Refer from Agriculture; Annuals (plants); Botany; Bulbs; Carnations; Flower gardening (s); Flowers; Gardening; Horticulture (s); House plants (s); Industrial arts; Lilies; Orchids; Plants; Plants, Cultivated; Roses; Violets; Window gardening

Flour and flour mills
See also Grain; Wheat

Refer from Bread; Food; Grist mills (s); Manufactures; Milling (flour) (s); Mills and millwork; Wheat

Flow of water *see* Hydraulics
Flower drawing *see* Flower painting and drawing
Flower forms *see* Plant forms
Flower gardening *see* Floriculture
Flower gardens *see* Gardens

Flower language

Refer from Flowers; Flowers, Language of (s); Language of flowers (s); Plant lore

Flower missions

Refer from Charities; Flowers

Flower painting and drawing
See also Plant forms

Refer from Drawing; Flower drawing (s); Flowers; Painting; Plant forms

Flowers
See also Artificial flowers; Botany; Buds; Color of flowers; Fertilization of plants; Floral decoration; Floriculture; Flower language; Flower missions; Flower painting and drawing; Flowers in poetry; Glass flowers; National flowers; Odors; Paper flowers; Plants; Wax flowers; Window gardening; *also* names of flowers, e.g. Carnations, Lilies, Lotus, Orchids, Roses, Violets

Refer from Botany; Botany, Structural; Floral decoration; Floriculture; Plants; Wild flowers (s)

——Artificial, *see* Artificial flowers
——Language of, *see* Flower language
——National, *see* National flowers

Flowers in poetry

Refer from Flowers; Poetry; Poetry of flowers (s)

Fluids
See also Gases; Hydraulic engineering; Hydraulics; Hydrodynamics; Hydrostatics; Jets; Liquids; Mechanics; Osmosis; Physics; Solution (chemistry); Viscosity

Refer from Hydraulic engineering; Hydraulics; Hydrostatics; Liquids; Mechanics; Physics

Flumes
See also Hydro-electric plants; Irrigation canals; Water power

Refer from Irrigation canals; Water power

Flute
See also Musical instruments; Wind instruments

Refer from Musical instruments; Wind instruments

Flute ceremonies

Refer from Hopi Indians; Indians — Religion; Rites and ceremonies

Fluxions *see* Calculus
Fly *see* Flies
Flying *see* Flight

Flying machines
See also Aeronautic motors; Aeronautics; Aeroplanes

Refer from Aerodromes (s); Aeronautics; Aeroplanes; Flight; Helicopters (s)

Fodder *see* Feeding and feeding stuffs

Fog
See also Fog signals; Meteorology

Refer from Meteorology; Water

Fog signals
Refer from Fog; Navigation; Signals

Foliage *see* Leaves
Folk dances *see* Dancing
Folk-lore *see* Folklore
Folk psychology *see* Ethnopsychology

Folk songs
See also Ballads; Carols; Folklore; Lullabies; National songs; Negro songs; Songs
Refer from Ballads; Folklore; National songs; Songs

Folklore
See also Animal lore; Animism; Chapbooks; Charms; Counting out; Devil; Divining rod; Evil eye; Fables; Fairies; Fairy tales; Folk songs; Geographical myths; Ghosts; Legends; Manners and customs; Medical folklore; Mythology; Nature myths; Nursery rhymes; Plant lore; Proverbs; Romances; Sagas; Superstition; Weather lore; Witchcraft
Refer from Animal lore; Archaeology; Ethnology; Fables; Fairies; Fairy tales; Fiction; Folk-lore (s); Folk songs; Legends; Literature; Man; Manners and customs; Mythology; People; Plant lore; Proverbs; Sagas; Superstition; Traditions (s)

——**Celtic**
See also Legends, Celtic
Refer from Celtic folklore (s); Celts; Legends, Celtic

——Indians, *see* Indians — Folklore

——**Japan**
See also Legends — Japan
Refer from Japan — Folklore (s); Japanese folklore (s); Legends — Japan

——Negroes, *see* Negroes — Folklore
Folklore of animals *see* Animal lore
Folklore of medicine *see* Medical folklore
Folklore of plants *see* Plant lore
Fonts *see* Baptismal fonts

Food
See also Animal food; Bakers and bakeries; Beverages; Bread; Butter; Cannibalism; Cereals, Prepared; Chocolate; Condiments; Cookery; Corpulence; Cost of living; Diet; Digestion; Dinners and dining; Eating; Eggs; Fish as food; Flavoring extracts; Flour and flour mills; Food adulteration and inspection; Food laws; Food preservation and preservatives; Food supply; Fruit; Grain; Groceries; Hygiene; Liquors; Marketing; Markets; Meat; Milk; Mushrooms; Nutrition; Nuts; Oysters; Poultry; Proteins; Sea food; Stimulants; Sugar; Table; Temperance; Vegetables; Vegetarianism
Refer from Beverages; Cookery; Diet; Digestion; Dinners and dining; Eating; Gastronomy (s); Home economics; Hygiene; Meals (s); Nutrition; Table

——**Analysis**
See also Food adulteration and inspection
Refer from Analysis of food (s); Chemistry, Household; Food adulteration and inspection; Sanitary chemistry

Food adulteration and inspection
See also Adulterations; Chemistry, Household; Consumers' leagues; Food — Analysis; Food laws; Food preservation and preservatives; Meat inspection; Milk supply; Oleomargarine
Refer from Adulterations; Analysis of food (s); Chemistry, Household; Food; Food — Analysis; Food inspection (s); Food laws; Food preservation and preservatives; Hygiene; Hygiene, Public; Inspection of food (s); Meat inspection; Pure food laws (s); Sanitary chemistry

Food for invalids *see* Cookery for the sick; Diet
Food inspection *see* Food adulteration and inspection

Food laws
See also Food adulteration and inspection
Refer from Food; Food adulteration and inspection; Pure food laws (s)

Food preservation and preservatives
See also Canning and preserving; Cold storage; Food adulteration and inspection;
Refer from Canning and preserving; Cold storage; Food; Food adulteration and inspec-

Formaldehyde; Refrigeration and refrigerating machinery

Food supply
See also Agriculture — Statistics; Corn laws; Famines; Packing industry

Fools
See also Idiocy

Refer from Commerce; Economics; Food; Prices

Refer from Clowns; Court fools (s); Humor; Jesters (s)

Foot
See also Anatomy; Boots and shoes; Chiropody; Hosiery

Refer from Anatomy; Feet (s); Toes (s)

Foot-racing *see* Running
Foot-soldiers *see* Infantry

Football
See also College athletics

Refer from Ball (s); College athletics; Games; School athletics

Footprints, Fossil

Refer from Fossil footprints (s); Ichnology (s); Paleontology

Fops *see* Dandies

Forage plants
See also Alfalfa; Clover; Corn; Ensilage; Feeding and feeding stuffs; Grasses; Grazing; Pastures and meadows; Sorghum

Refer from Agriculture; Alfalfa; Feeding and feeding stuffs; Grasses; Grazing; Pastures and meadows

Force and energy
See also Centrifugal force; Dynamics; Dynamometer; Electromotive force; Mechanics; Motion; Physics; Potential, Theory of

Refer from Conservation of energy (s); Correlation of forces (s); Dynamics; Energy (s); Kinematics; Matter; Mechanics; Metaphysics; Motion; Philosophy; Physics; Power

Forecasts
See also Fortune telling; Prophecies; Utopias; Weather forecasts

Refer from Future (s); Predictions (s); Prophecies; Utopias

Foreign exchange
See also Money

Refer from Banks and banking; Cambistry (s); Commerce; Commercial law; Exchange; Finance; International exchange (s); Money

Foreign missions *see* Missions, Foreign
Foreign relations *see* International relations; *also* names of countries, subhead Foreign relations
Foreign trade *see* Commerce
Foreigners *see* Aliens; Citizenship; English language — For foreigners; Naturalization; *also* names of countries and cities, subhead Foreign population

Foremen's schools

Refer from Industrial education; Scientific management; Technical education

Forenames *see* Names, Personal
Forensic chemistry *see* Chemistry, Legal
Forensic medicine *see* Medical jurisprudence
Foreordination *see* Predestination

Forest fires

Refer from Fires; Forests and forestry

Forest nurseries

Refer from Forests and forestry; Nurseries (horticulture); Trees

Forest planting
See also Tree planting

Refer from Afforestation (s); Forests and forestry; Planting (s); Reforestation (s); Tree planting; Trees

Forest products
See also Botany, Economic; Commercial products; Gums and resins; Lumber and lumbering; Rubber; Timber; Veneers and veneering; Wood; Wood pulp

Refer from Agricultural products; Botany, Economic; Commercial products

Forest reserves
See also Forests and forestry; National parks and reserves

Refer from Forests and forestry; National parks and reserves; U. S. — Public lands

Forest schools *see* Open-air schools
Forestalling *see* Monopolies
Forestry *see* Forests and forestry
Forestry education *see* Forestry schools and education

Forestry schools and education
Refer from Agriculture — Study and teaching; Forestry education (s); Forests and forestry; Technical education

Forests, Petrified, *see* Petrified forests

Forests and forestry
See also Arbor day; Conservation of resources; Evergreens; Forest fires; Forest nurseries; Forest planting; Forest reserves; Forestry schools and education; Grafting; Landscape gardening; Lumber and lumbering; Natural resources; Pruning; Timber; Tree planting; Trees; Wood
Refer from Agriculture; Arboriculture (s); Botany; Conservation of resources; Evergreens; Forest reserves; Forestry (s); Landscape gardening; Lumber and lumbering; Natural resources; Silviculture (s); Timber; Trees; Water supply; Wood; Woods (s)

——U. S.
Refer from U. S. — Forests and forestry (s); U. S. — Industries and resources

Forge work *see* Blacksmithing; Forging; Ironwork
Forgeries *see* Antiques, Forged; Art forgeries; Forgery; Literary forgeries and mystifications

Forgery
See also Art forgeries; Counterfeits; Embezzlement; Literary forgeries and mystifications
Refer from Counterfeits; Crime and criminals; Embezzlement; Forgeries (s); Fraud; Imposture; Writing

Forgery of antiques *see* Antiques, Forged
Forgery of works of art *see* Art forgeries

Forging
See also Blacksmithing; Dies; Ironwork; Welding
Refer from Blacksmithing; Dies; Drop forging (s); Forge work (s); Ironwork; Machine shop practice

Form, Musical, *see* Musical form
Formal gardening *see* Landscape gardening

Formaldehyde
See also Disinfection and disinfectants; Fumigation
Refer from Disinfection and disinfectants; Food preservation and preservatives; Formalin (s); Fumigation

Formalin *see* Formaldehyde

Forms (in law)
See also Actions at law; Affidavits; Commercial law; Conveyancing; Deeds; Mortgages; Pleading and practice
Refer from Actions at law; Business; Commercial law; Conveyancing; Law; Legal forms (s); Pleading and practice

Fortification
See also Castles; Coast defense; Earthwork; Gunnery; Military architecture; Mines, Military; *also* names of cities, subhead Fortifications, and names of countries, subhead Defenses
Refer from Architecture, Military (s); Earthwork; Forts (s); Military architecture; Military art and science; Military engineering; Sieges

Forts *see* Fortification
Fortune *see* Chance; Fate and fatalism; Probabilities; Success

Fortune telling
See also Astrology; Cards; Clairvoyance; Crystal gazing; Divination; Dreams; Halloween; Palmistry
Refer from Amusements; Cards; Character reading (s); Divination; Dreams; Fate and fatalism; Forecasts; Future (s); Prophecies; Superstition

Fortunes *see* Income; Millionaires; Wealth
Fossil footprints *see* Footprints, Fossil
Fossil insects *see* Insects, Fossil
Fossil mollusks *see* Mollusks, Fossil

Fossil plants
See also Paleontology; Petrified forests; Trees, Fossil
Refer from Botany; Botany, Fossil (s); Fossils (s); Paleobotany (s); Paleontology; Plants, Fossil (s)

Fossil reptiles *see* Reptiles, Fossil
Fossil trees *see* Trees, Fossil
Fossil wood *see* Trees, Fossil
Fossils *see* Paleontology; *also* Fossil plants, and subhead Fossil under various animals and plants

Foundations
See also Bridges — Foundations and piers; Building; Caissons; Civil engineering; Cofferdams; Compressed air; Concrete; Earthwork; Masonry; Piles and pile driving; Shoring and underpinning; Walls
Refer from Architecture; Building; Caissons; Civil engineering; Cofferdams; Earthwork; Engineering; Masonry; Piles and pile driving; Shoring and underpinning; Walls

Founding *see* Foundry work

Foundlings
See also Adoption; Children — Charities, protection, etc.; Orphans and orphan asylums
Refer from Children; Children — Charities, protection, etc.; Orphans and orphan asylums,

Foundry work
See also Cast iron; Cupola furnaces; Pattern making
Refer from Cast iron; Casting (s); Cupola furnaces; Founding (s); Furnaces; Industrial arts; Iron; Iron founding (s); Iron industry; Machine shop practice; Metals; Molding (s); Moulding (s); Pattern making; Steel; Tuyeres (s)

Fountains
See also Springs
Refer from Architecture; Hydraulic engineering; Water supply

Fourth dimension
Refer from Dimension, Fourth (s); Geometry; Hyperspace (s); Mathematics; Space

Fourth of July
See also Declaration of independence; Fourth of July orations
Refer from Declaration of independence; Holidays; Independence day (s); July fourth (s)

Fourth of July orations
Refer from Fourth of July; Orations, American; U. S. — History — Revolution

Fowl *see* Poultry
Fowling *see* Falconry
Fowls *see* Poultry
Fox *see* Foxes

Foxes
See also Carnivora
Refer from Carnivora; Fox (s); Fur-bearing animals; Hunting

Fractures
See also Bones; Radiography; Surgery; X rays
Refer from Bones; Surgery

Frames (for pictures) *see* Picture frames

France — History
See also Basques

——To 1328
See also Franks; Gauls
Refer from Franks; Gauls

——House of Valois, 1328–1589
See also Agincourt, Battle of; Huguenots; Hundred years' war; Reformation — France; St. Bartholomew's day, Massacre of
Refer from Agincourt, Battle of; Hundred years' war; Reformation — France; St. Bartholomew's day, Massacre of

——Bourbons, 1589–1789
See also Austrian succession, War of; Diamond necklace affair; French and Indian war; Fronde; Iron Mask; Seven years' war; Spanish succession, War of
Refer from Ancien régime (s); Austrian succession, War of; Fronde

——Revolution, *see* French revolution

——Consulate and empire, 1799–1815
See also Napoleonic wars; Peninsular war, 1807–1814; Waterloo, Battle of
Refer from Napoleonic wars; Waterloo, Battle of

——Restoration, 1815–1848

France — History — Continued
——Revolution of 1848
See also France — History — Second republic — *Refer from* France — History — Second republic; Revolutions
——Second republic, 1848–1852
See also France — History — Revolution of 1848; France — History — Coup d'état, 1851 — *Refer from* France — History — Revolution of 1848; France — History — Coup d'état, 1851
——Coup d'état, 1851
See also France — History — Second republic; France — History — Second empire — *Refer from* Coup d'état of 1851 (s); France — History — Second republic; France — History — Second empire
——Second empire, 1852–1870
See also Crimean war; France — History — Coup d'état, 1851; Franco-German war — *Refer from* France — History — Coup d'état, 1851; Franco-German war
——Franco-German war, 1870–1871, *see* Franco-German war
——Third republic, 1870–
See also Paris — History — Siege and commune, 1871 — *Refer from* Commune, Paris (s); Paris — History — Siege and commune
Franchise *see* Suffrage
Franchise taxation *see* Corporations — Taxation
Franchises, Municipal, *see* Municipal franchises
Franciscans
See also Capuchins; Monasticism — *Refer from* Capuchins; Friars minor (s); Gray friars (s); Grey friars (s); Minorites (s); Monasticism; Religious orders
Franco-German war, 1870–1871
See also France — History — Second empire; Paris — History — Siege and commune, 1871; Sedan campaign — *Refer from* France — History — Second empire; France — History — Franco-German war (s); Germany — History — 1866–; Paris — History — Siege and commune; Sedan campaign
Franking privilege — *Refer from* Postal service
Franks
See also France — History — To 1328; Germany — History — To 1517 — *Refer from* France — History — To 1328; Germany — History — To 1517; Teutonic race
Fraternal insurance *see* Benefit societies
Fraternities, Benevolent, *see* Benefit societies
Fraternities, College
See also Hazing; Secret societies — *Refer from* College fraternities (s); Colleges and universities; Greek letter societies (s); Hazing; Secret societies; Societies; Student life
Fraternities, High school — *Refer from* Greek letter societies (s); High school fraternities (s); High schools; Secret societies; Societies
Fraud
See also Antiques, Forged; Art forgeries; Counterfeits; Forgery; Imposture; Swindlers and swindling — *Refer from* Crime and criminals; Imposture; Misrepresentation (s); Swindlers and swindling
Frauds, Literary, *see* Literary forgeries and mystifications
Free agency *see* Freedom of the will
Free churches — *Refer from* Church polity; Churches (s)
Free coinage of silver *see* Coinage; Silver (as money)
Free-hand drawing *see* Drawing
Free institutions
See also Democracy; Federal government; Liberty; Representative government and representation; Republics — *Refer from* Government; Liberty

Free masons *see* Freemasons

Free religion
See also Free thought; Liberty of conscience

Refer from Free thought; Religion; Religious liberty; Theology; Unitarianism

Free schools *see* Charity schools; Public schools

Free seed distribution *see* Seeds — Distribution

Free soil party
See also Slavery in the U. S.; U. S. — History — 1815–1861

Refer from Political parties; Republican party; Slavery in the U. S.; U. S. — History — 1815–1861

Free speech *see* Liberty of speech

Free thinking *see* Free thought

Free thought
See also Agnosticism; Deism; Free religion; Rationalism; Religious liberty; Secularism; Skepticism

Refer from Deism; Free religion; Free thinking (s); Rationalism; Religious liberty; Skepticism

Free trade *see* Tariff question

Free will *see* Freedom of the will

Freebooters *see* Buccaneers; Filibusters; Pirates

Freedmen
See also Negroes; Reconstruction; Slavery

Refer from Negroes; Reconstruction; Slavery; Slavery in the U. S.

Freedom *see* Liberty; Slavery

Freedom of the press *see* Liberty of the press

Freedom of the will
See also Necessity; Predestination; Will

Refer from Determinism (s); Ethics; Fate and fatalism; Free agency (s); Free will (s); Indeterminism (s); Liberty of the will (s); Necessity; Predestination; Psychology; Theology; Will

Freemasons

Refer from Anti-masonry (s); Free masons (s); Knights of the red cross (s); Masons (secret order) (s); Secret societies

——Templars
See also Templars

Refer from Knights templars (masonic) (s); Order of the temple (s); Templars

Freezing *see* Cold; Frost; Ice; Plants, Effect of temperature on; Refrigeration and refrigerating machinery

Freight
See also Carriers; Demurrage; Railroads — Rates; Transportation

Refer from Carriers; Commerce; Freight rates (s); Railroads; Railroads — Freight (s); Transportation; Waterways

Freight rates *see* Freight. For railroad freight rates *see* Railroads — Rates

French and Indian war, 1755–1763
See also Indians — Wars; Pontiac's conspiracy; Seven years' war; U. S. — History — Colonial period

Refer from Canada — History — To 1763; England — History — 1714–1837; France — History — Bourbons; French in America; Indians — Wars; New York (state) — History; Seven years' war; U. S. — History — Colonial period; U. S. — History — French and Indian war (s)

French-Canadian literature *see* Canadian literature

French-Canadians
See also Acadians; Canada — History — Rebellion, 1837–1838

Refer from Canada — Social life and customs; Ethnology — Canada; French in America; National characteristics, Canadian

French drama
See also Dramatists, French; French literature; Theater — France

Refer from Dramatists, French; French literature; French poetry; Theater — France

French essays
See also French literature

Refer from Essays; French literature

French fiction
See also French literature

Refer from French literature

French in America
See also Canada — History — To 1763 (New France); French and Indian war; French-Canadians; Queen Anne's war; U. S. — History — Revolution — French participation

Refer from Canada — History — To 1763 (New France)

French language [subdivided like German language]
See also Commercial correspondence — French; Précieuses; Provençal language; Romance languages

Refer from Langue d'oïl (s); Romance languages

French literature
See also Authors, French; Charlemagne — Romances; Encyclopedists; French drama; French essays; French fiction; French poetry; Précieuses; Provençal literature; Romance literature; Symbolism in literature

Refer from Authors, French; French drama; French essays; French fiction; French poetry; Provençal literature; Romance literature

French philosophy *see* Philosophy, French

French poetry
See also Fabliaux; French drama; French literature; Poets, French; Troubadours; Trouvères

Refer from French literature; Poets, French

French revolution
See also Chouans; Girondists; Jacobins; Napoleonic wars; Vendean war

Refer from Directory, French (s); France — History — Revolution (s); Girondists; Jacobins; Reign of terror (s); Revolutions; Terror, Reign of (s); Vendean war

——Causes
——Personal narratives

French salons *see* Salons

French spoliation claims

Refer from Claims; U. S.— Foreign relations — France; U. S.— History — 1783–1812

Fresco painting *see* Frescoes

Frescoes
See also Mural painting and decoration; Stencil work

Refer from Art; Decoration and ornament; Fresco painting (s); House painting; Mural painting and decoration; Painting

Fresh air charity

Refer from Charities; Children — Charities, protection, etc.

Fresh air schools *see* Open-air schools

Fresh-water fauna
See also Aquariums; Fresh-water life; Insects, Aquatic

Refer from Aquariums; Aquatic animals (s); Fresh-water life; Marine zoology; Zoology

Fresh-water flora *see* Aquatic plants

Fresh-water life
See also Aquatic plants; Fresh-water fauna; Plankton

Refer from Aquatic life (s); Aquatic plants; Brook life (s); Fresh-water fauna; Limnobiology (s); Plankton; Pond life (s); Ponds

Fret cutting *see* Grilles; Lattice; Wood carving
Friars *see* Monasticism
Friars minor *see* Franciscans
Friars preachers *see* Dominicans

Friction
See also Bearings (machinery); Lubrication and lubricants

Refer from Bearings (machinery); Lubrication and lubricants; Machinery; Mechanical engineering; Mechanics; Physics

Friendly societies *see* Benefit societies

Friendly visiting
See also Charities

Refer from Charities; Charity; Poor; Social settlements; Social work

Friends, Society of

Refer from Congregationalism; Dissenters; Nonresistance; Persecution; Puritans; Quakers (s); Sects; Society of Friends (s)

Friendship
See also Love; Sympathy

Refer from Affection (s); Conduct of life; Ethics; Love; Sympathy

Froebel system of education *see* Kindergarten

Frogs
See also Amphibia; Toads

Refer from Amphibia; Toads

Fronde
See also France — History — Bourbons

Refer from France — History — Bourbons

Frontier and pioneer life
See also Colonial life and customs; Colonies and colonization; Cowboys; Indians — Captivities; Overland journeys to the Pacific; Ranch life; Western states

Refer from Adventure; Border life (s); Colonies and colonization; Overland journeys to the Pacific; Pacific states; Pioneer life (s); Western states

Frontiers
See also Boundaries

Refer from Boundaries; International relations

Frost
See also Cold; Frost protection; Ice; Plants, Effect of temperature on; Refrigeration and refrigerating machinery

Refer from Cold; Freezing (s); Meteorology; Water

Frost protection

Refer from Agriculture; Frost; Fruit culture; Gardening; Orchard heating (s); Protection from frost (s)

Fruit
See also Berries; Canning and preserving; Fruit culture; Nuts; *also* names of fruits, e.g. Apple, Grape, Orange, Peach, Pear

Refer from Agricultural products; Apple; Berries; Botany; Food; Grape; Orange; Orchards (s); Peach; Pear; Pomology (s); Small fruit (s); Trees

——**Diseases and pests**
See also Fumigation of plants; Fungi; Insects, Injurious and beneficial; Plants — Diseases; Scale insects; Spraying; Trees — Diseases and pests; *also* names of diseases and pests, e.g. Crown gall, Codling moth

Refer from Agricultural pests; Bacteriology, Agricultural; Fruit culture; Fruit pests (s); Fumigation of plants; Fungi; Insects, Injurious and beneficial; Plants — Diseases; Spraying; Trees — Diseases and pests

——**Evaporation**

Refer from Evaporation of fruit (s)

Fruit culture
See also Agriculture; Frost protection; Fruit — Diseases and pests; Fumigation of plants; Fungicides; Gardening; Grafting; Nurseries (horticulture); Pruning; Spraying; *also* names of fruits

Refer from Agriculture; Arboriculture (s); Fruit; Gardening; Grafting; Horticulture (s); Orchards (s); Pomology (s); Pruning

Fruit pests *see* Fruit — Diseases and pests

Fuel
See also Briquets; Calorimeters and calorimetry; Charcoal; Coal; Coke; Furnaces; Gas; Gas, Natural; Heating; Lignite; Liquid fuel; Peat; Petroleum; Smoke; Wood

Refer from Boilers; Briquets; Chemistry, Technical; Combustion; Engines; Fire; Furnaces; Heating; Home economics; Manufactures; Mechanical engineering; Smoke

Fugitive slaves
See also Maroons; Underground railroad (slavery)

Refer from Slavery in the U. S.; Underground railroad (slavery)

Fugue
See also Canon (music); Musical form

Refer from Canon (music); Composition (music); Counterpoint; Music; Music — Theory; Musical form

Fumigation
See also Disinfection and disinfectants; Formaldehyde; Fumigation of plants

Refer from Contagion and contagious diseases; Disinfection and disinfectants; Formaldehyde; Smoke

Fumigation of plants
See also Fruit — Diseases and pests

Refer from Floriculture; Fruit — Diseases and pests; Fruit culture; Fumigation; Gardening

Functions
See also Calculus; Groups, Theory of

Refer from Algebra; Analysis (mathematics) (s); Calculus; Elliptic functions (s); Logarithms

Funds *see* Finance; Sinking funds

Funeral rites and ceremonies
See also Burial; Funeral sermons; Indians — Mortuary customs; Mourning customs

Refer from Archaeology; Burial; Christian antiquities; Death; Manners and customs; Mortuary customs (s); Rites and ceremonies

Funeral sermons
See also Obituaries

Refer from Funeral rites and ceremonies; Obituaries; Sermons

Fungi
See also Bacteriology; Crown gall; Cryptogams; Dry rot; Fruit — Diseases and pests; Fungicides; Galls (botany); Mildew; Mold; Mushrooms; Plants — Diseases

Refer from Agricultural pests; Cryptogams; Fruit — Diseases and pests; Microbes (s); Mildew; Mold; Mushrooms; Mycology (s); Parasites; Pests (s); Plants — Diseases

Fungicides
See also Bordeaux mixture; Spraying

Refer from Bordeaux mixture; Fruit culture; Fungi; Germicides (s); Spraying

Fur
See also Fur-bearing animals; Fur trade; Hides and skins

Refer from Animal products; Clothing; Furs (s); Hides and skins

Fur-bearing animals:
See also names of fur-bearing animals, e.g. Foxes, Seals (animals), Wolves

Refer from Fur; Mammals; Zoology; Zoology, Economic

Fur seals *see* Seals (animals)

Fur trade
See also Hudson Bay company; Trapping

Refer from Canada — Commerce; Commerce; Fur; Hudson Bay company; Trapping

Furnaces
See also Blast furnaces; Boilers; Cupola furnaces; Electric furnaces; Foundry work; Fuel; Mechanical draft; Metallurgy; Smelting

Refer from Fuel; Heating; Metallurgy; Smelting

Furniture
See also Antiques; Bamboo; Beds; Cabinet work; Candlesticks; Chairs; Church furniture; Garden ornaments and furniture; House decoration; Lamps; Library fittings and supplies; Mirrors; School furniture and equipment; Upholstery; Veneers and veneering; Wood carving

Refer from Arts and crafts; Beds; Cabinet work; Chairs; Decoration and ornament; Home economics; House decoration; Industrial arts; Interior decoration (s); Manufactures; Upholstery; Wood carving

——Colonial

Refer from Colonial furniture (s); Colonial life and customs

Furs *see* Fur

Future *see* Forecasts; Fortune telling; Future life; Prophecies

Future life
See also Annihilation; Death; Eschatology; Eternity; Future punishment; Heaven; Hell; Judgment day; Millennium; Purgatory; Resurrection; Salvation; Soul; Spiritualism; Transmigration

Refer from Annihilation; Death; Eschatology; Eternal life (s); Eternity; Future (s); Future punishment; Hades (s); Heaven; Hell; Immortality (s); Intermediate state (s); Judgment day; Life; Man; Millennium; Natural religion; Philosophy; Probation (theology) (s); Purgatory; Religion; Resurrection; Retribution (s); Salvation; Soul; Theology; Universalism

Future punishment
See also Future life; Hell; Purgatory; Universalism

Refer from Death; Endless punishment (s); Eschatology; Future life; Hell; Punishment; Purgatory; Retribution (s); Sin; Theology; Universalism

Future religion *see* Religion of the future

Fylfot *see* Swastika

Gables
See also Roofs
Gadhelic literature *see* Celtic literature
Gadsden purchase

Gaelic language
See also Celtic languages; Irish language

Gaelic literature
See also Celtic literature; Irish literature (Celtic)
Gaels *see* Celts
Gaging

Galaxy *see* Milky way
Gales *see* Storms; Winds
Gallanty shows *see* Shadow pantomimes
Galleries (art) *see* Art — Galleries and museums; *also* special galleries
Galleys

Gallic wars
See also Gauls; Rome — History — Republic
Gallican church *see* Catholic church in France
Galls (botany)
See also Crown gall

Galvanic batteries *see* Electric batteries
Galvanism *see* Electricity
Galvanizing
See also Electroplating; Plating

Galvanometer
See also Electric measurement

Galvanoplasty *see* Electrometallurgy; Electroplating; Electrotyping
Galveston plan of city government *see* Municipal government — Commission plan
Gambling
See also Betting; Cards; Dice; Horse racing; Lotteries; Poker; Probabilities
Game
See also Game birds; Game laws; Game protection; Hunting; Shooting; Tracking; Trapping; *also* names of animals, e.g. Deer
Game birds
See also Falconry; Game; Shooting; *also* names of game birds, e.g. Ducks
Game laws
See also Game protection; Poaching

Game protection
See also Game laws

Games
See also Amusements; Athletics; Backgammon; Baseball; Basket-ball; Billiards; Bowling; Cards, and names of card games; Checkers; Chess; College athletics; Counting out; Cricket; Croquet; Curling; Dice; Dominoes; Football; Gambling; Golf; Handball; Hockey; Indians — Games; Kinder-

Refer from Architecture; Roofs

Refer from Arizona; New Mexico; U. S.— Annexations

Refer from Celtic languages; Erse (s); Irish language; Scottish language (s)

Refer from Celtic literature; Irish literature (Celtic); Scottish literature

Refer from Gauging (s); Mensuration; Weights and measures

Refer from Punishment; Ships; Slavery; Warships

Refer from Gauls; Rome — History — Republic

Refer from Botany — Physiology; Fungi; Plants — Diseases

Refer from Electrogalvanizing (s); Electroplating; Iron; Plating; Zinc

Refer from Electric apparatus and appliances; Electric measurement

Refer from Betting; Cards; Crime and criminals; Ethics; Games; Gaming (s); Sports

Refer from Big game (s); Game birds; Hunting; Shooting; Zoology

Refer from Birds; Ducks; Falconry; Game; Hunting; Shooting; Wild fowl (s)

Refer from Animals — Protection (s); Birds — Protection; Fishing; Game; Game protection; Hunting; Law; Poaching

Refer from Animals — Protection (s); Birds — Protection; Game; Game laws; Hunting; Protection of game (s)

Refer from Amusements; Athletics; Cards; Pastimes (s); Physical education; Play; Recreation (s); Sports

garten — Games and songs; Lacrosse; Olympic games; Ping-pong; Play; Polo; Rackets; School athletics; Solitaire; Sports; String figures; Tennis; Toys

Gaming *see* Gambling

Gaols *see* Prisons

Garages

Refer from Architecture; Automobiles; Barns and stables

Garbage *see* Refuse and refuse disposal

Garden cities

See also Cities — Planning and laying out

Refer from Cities; Cities — Planning and laying out; Housing problem; Industrial betterment; Municipal improvement

Garden furniture *see* Garden ornaments and furniture

Garden of Eden *see* Eden

Garden ornaments and furniture

See also Concrete pottery; Rustic woodwork

Refer from Furniture; Garden furniture (s); Gardens; Landscape gardening; Rustic woodwork

Gardening

See also Acclimatization (plants); Agricultural pests; Agriculture; Botany; Electro-horticulture; Floriculture; Frost protection; Fruit culture; Fumigation of plants; Gardens; Grafting; Greenhouses; Insects, Injurious and beneficial; Landscape gardening; Lawns; Market gardening; Nurseries (horticulture); Plant breeding; Plant propagation; Pruning; School gardens; Seedlings; Seeds — Selection and testing; Shrubs; Spraying; Vacant lot cultivation; Vegetables; Weeds; Window gardening

Refer from Agriculture; Botany; Country life; Farm life; Floriculture; Fruit culture; Gardens; Home economics; Horticulture (s); Industrial arts; Kitchen gardening (vegetables) (s); Landscape gardening; Market gardening; Planting (s); Plants; Plants, Cultivated; School gardens; Shrubs; Vegetable gardening (s); Vegetables

Gardens

See also Botanical gardens; Garden ornaments and furniture; Gardening; Landscape gardening; School gardens; Water gardens

Refer from Botanical gardens; Flower gardens (s); Gardening; Landscape gardening

Garment cutting [for underwear, white goods, etc.]

See also Dressmaking; Tailoring

Refer from Clothing; Cutting (s); Dressmaking; Underwear

Garnishment *see* Attachment

Garter, Order of the

Refer from Knights and knighthood; Order of St. George (English) (s); Order of the Garter (s)

Gas

See also Acetylene; Chemistry, Technical; Coal-tar products; Gas and oil engines; Gas lighting; Gas producers; Gases; Incandescent gas-lighting; Petroleum

Refer from Chemistry, Organic; Chemistry, Technical; Coal; Coal gas (s); Coal-tar products; Fuel; Gas lighting; Gases; Illuminating gas (s); Lighting; Manufactures; Petroleum; Producer gas (s)

——Natural

See also Geology, Economic

Refer from Fuel; Gas wells (s); Geology, Economic; Natural gas (s); Wells

Gas and oil engines

See also Alcohol motors; Gas producers; Heat engines; Liquid fuel

Refer from Engines; Gas; Gas engines (s); Gas motors (s); Gas producers; Gasoline engines (s); Heat engines; Internal combustion engines (s); Kerosene engines (s); Liquid fuel; Marine engines; Motors; Oil engines (s); Petrol engines (s); Petroleum engines (s)

Gas companies

See also Gas lighting

Refer from Gas lighting; Public service corporations

Gas engines *see* Gas and oil engines

Gas fitting *See also* Gas meters; Pipe fitting; Plumbing	*Refer from* Pipe fitting; Plumbing
Gas lighting *See also* Acetylene; Electric gas lighting; Gas; Gas companies; Gas meters; Incandescent gas-lighting	*Refer from* Gas; Gas companies; Incandescent gas-lighting; Lighting
Gas mantles *see* Incandescent gas-lighting	
Gas meters	*Refer from* Gas fitting; Gas lighting; Meters (s)
Gas motors *see* Gas and oil engines	
Gas producers *See also* Gas and oil engines	*Refer from* Gas; Gas and oil engines; Producer gas (s)
Gas wells *see* Gas, Natural	
Gases *See also* Acetylene; Aerodynamics; Air; Argon; Chemistry; Electric discharges through gases; Eudiometer; Fire damp; Gas; Helium; Ionization of gases; Liquefaction of gases; Nitrogen; Oxygen; Ozone; Viscosity	*Refer from* Chemistry; Expansion (physics); Fluids; Gas; Mechanics; Physics; Pneumatics (s); Vapor (s)
——Kinetic theory	*Refer from* Kinetic theory of gases (s)
Gasoline	*Refer from* Liquid fuel; Petrol (s); Petroleum
Gasoline engines *see* Gas and oil engines	
Gasoline launches *see* Motor boats	
Gasteropoda *See also* Mollusks	*Refer from* Gastropoda (s); Mollusks
Gastronomy *see* Cookery; Dinners and dining; Eating; Food	
Gastropoda *see* Gasteropoda	
Gates *See also* Fences	*Refer from* Architecture; Doors; Fences
Gauging *see* Gaging	
Gauls *See also* Celts; France — History — To 1328; Gallic wars	*Refer from* Celts; Ethnology — France; France — History — To 1328; Gallic wars
Gazetteers *See also* Names, Geographical; *also* names of countries, subhead Description and travel — Gazetteers	*Refer from* Geography; Geography — Dictionaries (s); Names, Geographical
Gearing *See also* Machine design; Mechanical movements; Power transmission; Valves and valve gears	*Refer from* Bevel gearing (s); Cog-wheels (s); Cogwheels (s); Machine design; Machinery; Mechanical movements; Power transmission; Spiral gearing (s)
Geese *See also* Poultry; Water birds	*Refer from* Goose (s); Poultry; Water birds; Wild geese (s)
Gelatin *See also* Glue; Physiological chemistry	*Refer from* Animal products; Glue; Isinglass (s); Physiological chemistry
Gems *See also* Cameos; Diamonds; Glyptics; Intaglios; Jewelry; Precious stones	*Refer from* Archaeology; Art; Cameos; Decoration and ornament; Diamonds; Engraving; Glyptics; Intaglios; Jewelry; Lapidary work (s); Mineralogy; Precious stones
Genealogy *See also* Biography; Estates, Unclaimed; Heraldry; Peerage; Precedence; Royal descent, Families of; Visitations, Heraldic; Vital records; Wills; *also* names of families, and names of countries and cities, subhead Genealogy	*Refer from* Ancestry (s); Biography; Descent (s); Families (s); Heraldry; History; History — Sources; Pedigrees (s)
Generals *See also* Military biography	*Refer from* Military biography
Generation *see* Reproduction	

Generation, Spontaneous, *see* Spontaneous generation
Generators, Electric, *see* Dynamos
Geneva award *see* Alabama claims
Genius
See also Ability; Precocity; Talent

Refer from Ability; Heredity; Insanity; Intellect; Psychology; Talent

Gentlemen
See also Courtesy; Etiquet

Refer from Conduct of life; Ethics; Etiquet; Men; Young men

Geochemistry
See also Mineral waters; Mineralogy; Ores; Rocks

Refer from Chemical geology (s); Chemistry; Earth; Geological chemistry (s); Geology, Chemical (s); Mineralogy; Ores; Physical geography; Rocks

Geodes

Refer from Geology; Rocks

Geodesy
See also Astronomy, Spherical and practical; Azimuth; Earth — Figure; Geography, Mathematical; Latitude and longitude; Least squares; Pendulum; Surveying; *also* names of countries and states, subhead Surveys

Refer from Astronomy; Degrees of latitude and longitude (s); Earth; Earth — Figure; Geography, Mathematical; Mathematics; Mensuration; Surveying; Triangulation (s); Trigonometry

Geodetic surveying *see* Surveying
Geognosy *see* Geology
Geographical distribution of animals and plants
See also Acclimatization (plants); Animals — Migration; Ecology; Plant introduction; Plants — Migration; Seeds — Dispersal

Refer from Animals — Geographic distribution (s); Animals — Migration; Botany; Botany, Geographic (s); Distribution of animals and plants (s); Ecology; Physical geography; Phytogeography (s); Plant geography (s); Plants — Geographic distribution (s); Plants — Migration; Zoogeography (s); Zoology

Geographical distribution of men *see* Anthropogeography
Geographical myths

Refer from Folklore; Geography; Geography — History; Imaginary islands (s); Islands, Imaginary (s)

Geographical names *see* Names, Geographical
Geographical pathology *see* Medical geography
Geographical societies
See also Alpine clubs

Refer from Alpine clubs; Geography; Societies

Geography
See also Antarctic regions; Anthropogeography; Arctic regions; Atlases; Boundaries; Commercial geography; Continents; Discoveries and explorations; Distances; Earth; Ethnology; Explorers; Gazetteers; Geographical myths; Geographical societies; Globes; Islands; Latitude and longitude; Map drawing; Maps; Medical geography; Names, Geographical; Physical geography; Surveying; Tropics; Views; Voyages and travels; *also* names of countries, subhead Description and travel

Refer from Atlases; Earth; Physical geography; Science; Topography (s); Voyages and travels

——**Ancient**
See also Bible — Geography; *also* names of countries of antiquity, subhead Description, geography

Refer from Ancient geography (s); Classical geography (s); Geography, Historical; Geography — History; History, Ancient

——Biblical, *see* Bible — Geography
——Commercial, *see* Commercial geography
——Dictionaries, *see* Gazetteers
——Economic, *see* Commercial geography

Geography — Continued

——Historical
See also Geography, Ancient; Historical atlases

Refer from Historical atlases; Historical geography (s); History

——History
See also Discoveries and explorations; Geographical myths; Geography, Ancient

Refer from Discoveries and explorations

——Mathematical
See also Astronomy; Geodesy; Latitude and longitude; Surveying; Topographical drawing

Refer from Astronomy; Geodesy; Latitude and longitude; Mathematical geography (s); Mathematics; Surveying

——Medical, *see* Medical geography
——Physical, *see* Physical geography
——Political, *see* Boundaries; *also* names of countries and states, subhead Boundaries
——Social, *see* Anthropogeography

——Study and teaching

Geological chemistry *see* Geochemistry

Geological surveys

Refer from Geology; Surveys (s)

Geologists

Refer from Scientists

Geology
See also Alluvium; Beaches; Boulders; Coal; Concretions; Creation; Deluge; Dikes (geology); Drift; Earth; Earth — Age; Earthquakes; Erosion; Evolution; Geodes; Geological surveys; Geysers and hot springs; Glacial period; Glaciers; Igneous rocks; Landslides; Man — Origin and antiquity; Metals; Mineralogy; Moraines; Mountains; Ore deposits; Paleontology; Physical geography; Rocks; Sedimentation and deposition; Soils; Stone; Volcanoes

Refer from Alluvium; Concretions; Creation; Drift; Earth; Earth — Age; Earthquakes; Erosion; Geognosy (s); Geonomy (s); Glacial period; Man — Origin and antiquity; Mineralogy; Mountains; Natural history; Paleontology; Physical geography; Physical geology (s); Rocks; Science; Sedimentation and deposition; Volcanoes

——Chemical, *see* Geochemistry

——Economic
See also Abrasives; Asbestos; Asphalt; Building stones; Cement; Chalk; Clay; Coal; Coal regions; Gas, Natural; Graphite; Gypsum; Metals; Mineral waters; Mines and mineral resources; Ore deposits; Ores; Peat; Petroleum; Phosphates; Quarries and quarrying; Salt; Soils; Stone; Sulphur

Refer from Abrasives; Asbestos; Asphalt; Building stones; Cement; Chemical geology (s); Clay; Coal; Coal regions; Economic geology (s); Gas, Natural; Graphite; Gypsum; Metals; Mineral waters; Mines and mineral resources; Natural resources; Ore deposits; Ores; Peat; Petroleum; Phosphates; Salt; Sulphur

——Stratigraphic
See also Paleontology

Refer from Stratigraphy (s)

———Algonkian

Refer from Algonkian period (s); Geology, Stratigraphic — Proterozoic (s)

———Archaean

Refer from Archaean period (s); Geology, Stratigraphic — Pre-Cambrian (s); Pre-Cambrian period (s)

———Cambrian

Refer from Cambrian period (s); Geology, Stratigraphic — Paleozoic

———Carboniferous

Refer from Carboniferous period (s); Geology, Stratigraphic — Paleozoic

———Cenozoic
See also Geology, Stratigraphic — Quaternary; Geology, Stratigraphic — Tertiary

Refer from Cenozoic era (s)

———Cretaceous

Refer from Cretaceous period (s); Geology, Stratigraphic — Mesozoic

———Devonian

Refer from Devonian period (s); Geology, Stratigraphic — Paleozoic; Oriskany formation (s)

———Eocene

Refer from Eocene period (s); Geology, Stratigraphic — Tertiary

———Glacial, *see* Glacial period

Geology — Stratigraphic — Continued

——Jurassic

Refer from Geology, Stratigraphic — Mesozoic; Jurassic period (s)

——Lower Silurian, *see* Geology, Stratigraphic — Ordovician

——Mesozoic

See also Geology, Stratigraphic — Cretaceous; Geology, Stratigraphic — Jurassic; Geology, Stratigraphic — Triassic

Refer from Mesozoic era (s)

——Miocene

Refer from Geology, Stratigraphic — Tertiary; Miocene period (s)

——Ordovician

Refer from Geology, Stratigraphic — Lower Silurian (s); Geology, Stratigraphic — Paleozoic; Lower Silurian period (s); Ordovician period (s)

——Paleozoic

See also Geology, Stratigraphic — Cambrian; Geology, Stratigraphic — Carboniferous; Geology, Stratigraphic — Devonian; Geology, Stratigraphic — Ordovician; Geology, Stratigraphic — Permian; Geology, Stratigraphic — Silurian

Refer from Paleozoic era (s)

——Permian

Refer from Geology, Stratigraphic — Paleozoic; Permian period (s)

——Pleistocene, *see* Glacial period

——Pliocene

Refer from Geology, Stratigraphic — Tertiary; Pliocene period (s)

——Pre-Cambrian, *see* Geology, Stratigraphic — Archaean

——Proterozoic, *see* Geology, Stratigraphic — Algonkian

——Quaternary

See also Glacial period

Refer from Geology, Stratigraphic — Cenozoic; Glacial period; Quaternary period (s)

——Silurian

Refer from Geology, Stratigraphic — Paleozoic; Silurian period (s)

——Tertiary

See also Geology, Stratigraphic — Eocene; Geology, Stratigraphic — Miocene; Geology, Stratigraphic — Pliocene

Refer from Geology, Stratigraphic — Cenozoic; Tertiary period (s)

——Triassic

Refer from Geology, Stratigraphic — Mesozoic; Triassic period (s)

Geology — U. S.

See also Paleontology — U. S.; Physical geography — U. S.

Refer from Paleontology — U. S.; Physical geography — U. S.; U. S.— Geology (s)

Geology and the Bible *see* Bible and science

Geometrical drawing

See also Geometry, Descriptive; Graphics; Mechanical drawing; Perspective; Projection

Refer from Drawing; Geometry; Graphics; Mathematical drawing (s); Mechanical drawing; Projection

Geometry

See also Angles; Axioms; Circle; Circle-squaring; Conic sections; Curves; Fourth dimension; Geometrical drawing; Mathematics; Mensuration; Perspective; Porisms; Quaternions; Surfaces; Trigonometry

Refer from Angles; Axioms; Circle; Circle-squaring; Mathematics; Plane geometry (s); Solid geometry (s); Stereography (s); Trigonometry

——Analytic

See also Conic sections; Curves; Surfaces

Refer from Analytical geometry (s); Conic sections; Coordinate geometry (s)

——Descriptive

See also Perspective; Projection; Shades and shadows; Stereotomy

Refer from Descriptive geometry (s); Geometrical drawing; Projection; Shades and shadows

Geonomy *see* Geology; Physical geography

Germ theory of disease
See also Bacteriology

Refer from Bacilli (s); Bacteriology; Contagion and contagious diseases; Disease germs (s); Germs (s); Medicine; Pathology

German (dance) *see* Cotillion

German-American literature
See also Germans in the U. S.

Refer from American literature; German literature; Germans in the U. S.

German Baptist brethren

Refer from Baptists; Dunkards (s); Dunkers (s); Sects; Seventh-day Baptists; Tunkards (s); Tunkers (s)

German dictionaries *see* German language — Dictionaries

German drama
See also Dramatists, German; German literature; Theater — Germany

Refer from Dramatists, German; German literature; Theater — Germany

German empire (Western empire) *see* Holy Roman empire

German fiction
See also German literature

Refer from German literature; German romances (s)

German grammar *see* German language — Grammar

German Hebrew *see* Yiddish language

German language
See also Germanic languages

Refer from Germanic languages

——**Accents**
——Antonyms *see* German language — Synonyms and antonyms
——**Composition**
——**Conversation and phrase books**
——**Dialects**
See also Low German language
——**Dictionaries**

Refer from German dictionaries (s)

——**Etymology**
——**Grammar**

Refer from German grammar (s); German language — Syntax (s)

——**History**
——**Idioms**
——Meter, *see* German language — Prosody
——Orthography, *see* German language — Spelling
——**Pronunciation**
——**Prosody**

Refer from German language — Meter (s)

——**Readers**
——**Spelling**

Refer from German language — Orthography (s)

——**Study and teaching**
——**Synonyms and antonyms**

Refer from German language — Antonyms (s)

——Syntax, *see* German language — Grammar

German literature
See also Austrian literature; Authors, German; German-American literature; German drama; German fiction; German poetry; Parodies; Romances

Refer from Austrian literature; Authors, German; German drama; German fiction; German poetry

German philosophy *see* Philosophy, German

German poetry
See also German literature; Meistersingers; Minnesingers; Poets, German

Refer from German literature; Meistersingers; Minnesingers; Poets, German

German romances
For medieval romances *see* Romances; for modern romances *see* German fiction

Germanic languages
See also Anglo-Saxon language; Aryan languages; Danish language; Dutch language; English language; Flemish language; German language; Gothic language; Grimm's law; Icelandic language; Low German language; Norwegian language; Old Saxon language; Runes; Scandinavian languages; Swedish language

Refer from Anglo-Saxon language; Aryan languages; Dutch language; English language; Flemish language; German language; Gothic language; Low German language; Old Saxon language; Scandinavian languages; Teutonic languages (s)

Germanic mythology *see* Mythology, Germanic
Germanic race *see* Teutonic race

Germans in Pennsylvania
See also Germans in the U. S.; Redemptioners; Schwenkfelders

Refer from Germans in the U. S.; Pennsylvania Dutch (s); Pennsylvania Germans (s)

Germans in the U. S.
See also German-American literature; Germans in Pennsylvania; U. S.— History — Revolution — German troops

Refer from German-American literature; Germans in Pennsylvania; U. S.— Foreign population

Germany — History
See also Hanseatic league; Holy Roman empire; Prussia — History

Refer from Hanseatic league; Holy Roman empire; Prussia — History

———To 1517
See also Franks; Goths

Refer from Franks; Goths

———1517–1740
See also Peasants' war; Reformation — Germany; Spanish succession, War of; Thirty years' war

Refer from Peasants' war; Reformation — Germany; Thirty years' war

———1740–1815
See also Austrian succession, War of; Napoleonic wars; Seven years' war

Refer from Austrian succession, War of; Seven years' war

———1815–1866
See also Germany — History — Revolution, 1848–1849

———Revolution, 1848–1849

Refer from Germany — History — 1815–1866; Revolutions

———1866–
See also Franco-German war; Triple alliance, 1883–

Germicides *see* Disinfection and disinfectants; Fungicides

Germination
See also Botany — Physiology; Seeds

Refer from Botany — Embryology; Botany — Physiology; Seeds

Germs *see* Bacteriology; Germ theory of disease

Gerrymander

Refer from Elections; Elections — U. S.; Representative government and representation; U. S.— Politics

Gesso
See also Arts and crafts

Refer from Arts and crafts; Mural painting and decoration; Plaster and plastering; Stucco

Gesture
See also Delsarte system; Elocution; Pantomime; Sign language

Refer from Acting; Elocution; Oratory; Pantomime

Gettysburg, Battle of, 1863
See also U. S.— History — Civil war

Refer from Battles; U. S.— History — Civil war — Campaigns and battles

Geysers and hot springs
See also Springs

Refer from Geology; Hot springs (s); Physical geography; Springs; Thermal springs (s)

Ghettos
See also Jews

Refer from Jewries (s); Jews

Ghibellines *see* Guelfs and Ghibellines

Ghost dance
See also Indians — Dances

Refer from Indians — Dances

Ghost stories

Refer from Ghosts

Ghosts
See also Apparitions; Demonology; Ghost stories; Illusions and hallucinations; Psychical research; Spiritualism; Superstition

Refer from Apparitions; Folklore; Haunted houses (s); Illusions and hallucinations; Psychical research; Specters (s); Spectres (s); Spirits (s); Superstition

Giants
Refer from Man; Monsters

Gifts
See also Charities; Christmas gifts; Philanthropy

Refer from Bequests (s); Deeds; Ethics; Giving (s); Presents (s)

Gifts (kindergarten) *see* Kindergarten

Gilding
See also Electroplating; Metal coloring

Refer from Goldsmithing; Metal coloring; Painting, Mechanical; Plating

Gilds
See also Employers' associations; Labor unions; Livery; Neighborhood gilds; *also* names of cities, subhead Gilds

Refer from Associations (s); Commerce; Corporations; Economics; Guilds (s); Labor and laboring classes; Labor organizations (s); Labor unions; Local government; Societies; Sociology; Workingmen's associations (s)

Ginseng
Refer from Agricultural products; Medical botany

Gipsies
See also Nomads

Refer from Ethnology; Gypsies (s); Nomads; Vagabonds (s)

Gipsy language *see* Romany language

Gipsy moth
Refer from Gypsy moth (s); Moths; Trees — Diseases and pests

Girders
See also Bridges; Building; Graphic statics; Roofs; Steel construction; Strains and stresses; Trusses

Refer from Beams (s); Bridges; Building; Graphic statics; Plate girders (s); Roofs; Steel construction; Strains and stresses; Strength of materials; Trusses

Girls
See also Child labor; Children; Coeducation; Education; Education of women; Girls' clubs; School children; Women; Young women; Youth

Refer from Children; Conduct of life; Women; Working girls (s); Young people (s); Young women; Youth

Girls' clubs
Refer from Clubs; Girls; Women's clubs

Girondists
See also French revolution

Refer from French revolution

Giving *see* Charity; Gifts; Philanthropy

Glacial drift *see* Drift

Glacial period
See also Drift; Geology; Geology, Stratigraphic — Quaternary; Glaciers; Man — Origin and antiquity

Refer from Drift; Earth; Geology; Geology, Stratigraphic — Glacial (s); Geology, Stratigraphic — Pleistocene (s); Geology, Stratigraphic — Quaternary; Glaciers; Ice age (s); Man — Origin and antiquity; Pleistocene period (s)

Glaciers
See also Boulders; Drift; Erosion; Glacial period; Ice; Icebergs; Moraines; Physical geography

Refer from Boulders; Drift; Erosion; Geology; Glacial period; Ice; Moraines; Physical geography; Water

Gladiators
Refer from Amphitheaters; Fighting (s); Rome — Social life and customs

Gladness *see* Cheerfulness; Contentment; Happiness

Glands
See also Anatomy; Liver

Refer from Anatomy; Liver

Glass
See also Annealing; Glass flowers; Glass manufacture; Glazing; Stained glass; Windows

Refer from Annealing; Arts and crafts; Building materials; Cut glass (s); Plate glass (s); Windows

——Ornamental
See also Stained glass

Refer from Art glass (s); Stained glass

Glass flowers
Refer from Artificial flowers; Flowers; Glass

Glass manufacture
See also Chemistry, Technical; Mirrors; Optical instruments
Refer from Chemistry, Technical; Glass: Industrial arts; Manufactures

Glass painting *see* Stained glass
Glassites *see* Sandemanians
Glazing
Refer from Glass; Pottery

Glees
See also Choruses and part songs; Songs
Refer from Choruses and part songs; Music; Songs

Gliders *see* Aeroplanes
Globes
See also Astronomy
Refer from Astronomy; Earth; Geography; Maps

Gloves
See also Costume
Refer from Costume; Hand

Glucose
See also Chemistry, Technical
Refer from Chemistry, Technical; Sugar

Glue
See also Adhesives; Bone products; Gelatin; Paste
Refer from Adhesives; Animal products; Bone products; Cement; Chemistry, Technical; Gelatin; Paste

Glyptics
See also Gems
Refer from Art; Carving (art industries); Engraving; Gems

Gnomes *see* Fairies
Gnomonics *see* Sundials
Gnosticism
Refer from Philosophy

Goats
See also Angora goats; Ungulata
Refer from Angora goats; Dairying; Domestic animals; Ungulata

Gobelin tapestry
Refer from Tapestry

Goblins *see* Fairies
God
See also Absolute, The; Agnosticism; Atheism; Bible; Causation; Christianity; Creation; Deism; Holy Spirit; Idolatry; Jesus Christ; Metaphysics; Monotheism; Mythology; Natural religion; Pantheism; Polytheism; Providence; Religion; Teleology; Theism; Theocracy; Theology; Trinity
Refer from Atheism; Bible; Christianity; Creation; Deism; Monotheism; Natural religion; Pantheism; Philosophy; Religion; Teleology; Theism; Theodicy (s); Theology; Trinity

Gold
See also Alchemy; Cyanide process; Gold (as money); Gold dredging; Gold mines and mining; Goldsmithing; Jewelry; Precious metals
Refer from Precious metals

Gold (as money)
See also Bimetallism; Coinage; Money
Refer from Bimetallism; Coinage; Gold; Money; Specie (s)

Gold cure
Refer from Alcoholism; Inebriate asylums; Keeley cure (s); Therapeutics

Gold dredging
See also Gold mines and mining
Refer from Dredging; Gold; Gold mines and mining; Hydraulic mining; Placer mining (s)

Gold mines and mining
See also Gold dredging; Hydraulic mining; Prospecting
Refer from Gold; Gold dredging; Hydraulic mining; Mines and mineral resources

Gold plate *see* Plate
Golden fleece *see* Argonauts
Goldsmithing
See also Arts and crafts; Gilding; Hall marks; Jewelry; Metal coloring; Plate
Refer from Arts and crafts; Gold; Hall marks; Jewelry; Metal coloring; Metal work; Plate

Golf
Refer from Games

Good Friday
See also Lent
Refer from Christian year; Fasts and feasts; Holy week; Lent

Goodness
See also Virtue

Refer from Christian life and character; Ethics; Virtue

Goose *see* Geese

Gorillas
See also Apes

Refer from Apes; Monkeys; Primates

Gospels *see* Bible — New Testament — Gospels

Gothenburg system
See also Dispensary system

Refer from Dispensary system; Liquor laws; Liquor traffic

Gothic architecture *see* Architecture, Gothic

Gothic language
See also Germanic languages

Refer from Germanic languages

Goths
See also Barbarian invasions of Rome; Germany — History — To 1517

Refer from Barbarian invasions of Rome; Germany — History — To 1517; Ostrogoths (s); Teutonic race; Visigoths (s)

Gout
Refer from Medicine — Practice

Government
See also Anarchism and anarchists; Aristocracy; Ballot; Bureaucracy; Cabinet system; Charters; Church and state; Citizenship; Civil rights; Civil service; Civilization; Colonies and colonization; Communism; Constitutional history; Constitutional law; Constitutions; Crime and criminals; Democracy; Despotism; Diplomacy; Diplomatic and consular service; Divine right of kings; Economics; Education and state; Elections; Equality; Executive power; Federal government; Feudalism; Finance; Free institutions; Government ownership; Government regulation of industry; Home rule; Immigration and emigration; Impeachment; Imperial federation; Imperialism; Individualism; Law; Legislation; Legislative bodies; Liberalism; Liberty; Local government; Magistrates; Matriarchy; Military government; Monarchy; Municipal government; Nations; Nihilism; Nominations; Nullification; Oaths; Oligarchy; Paternalism; Patriarchy; Patriotism; Petition, Right of; Platforms, Political; Police; Police power; Political conventions; Political corruption; Political ethics; Political offenses; Political parties; Politics; Primaries; Prisons; Privileged classes; Property; Proportional representation; Punishment; Race problems; Railroads and state; Rebellion; Recall; Reciprocity; Referendum; Regency; Religious liberty; Representative government and representation; Republics; Revolutions; Riots; Secession; Serfdom; Slavery; Social contract; Socialism; Society, Primitive; Sociology; Sovereignty; State governments; State rights; Statesmen; Statistics; Suffrage; Taxation; Theocracy; Town meeting; Towns; Treaties; Tribes and tribal system; Tyranny; Utopias; Veto; Village communities; Villages; *also* names of countries and states, subheads Constitution, Government, and Politics, and names of cities, subhead Government and politics

Refer from Administration (s); Aristocracy; Citizenship; Civics (s); Civil government (s); Constitutional law; Constitutions; Democracy; History; Law; Legislation; Monarchy; Political science (s); Politics; Republics; Science; Social science (s); Sociology; Sovereignty; State, The (s); Statesmanship (s)

Government banking *see* Banks and banking; Postal savings banks

Government by commission *see* Municipal government — Commission plan
Government buildings *see* Public buildings
Government officials *see* Civil service

Government ownership
See also Government regulation of industry; Municipal ownership; Postal telegraph; Public service corporations; Railroads and state; Socialism

Refer from Corporations; Economics; Federal ownership (s); Government; Government regulation of industry; Monopolies; Municipal ownership; National ownership (s); Nationalism (s); Paternalism; Postal telegraph; Public ownership (s); Public service corporations; Railroads — Government ownership (s); Railroads and state; Socialism; State ownership (s)

Government publications
See also names of countries, subhead Government publications

Refer from Documents (s); Official publications (s); Public documents (s); State publications (s)

Government regulation of industry
See also Corporation law; Corporations; Factory laws; Government ownership; Interstate commerce; Labor laws; Municipal ownership; Paternalism; Police power; Public service commissions; Public service corporations; Railroad commissions; Railroads — Rates; Railroads and state; State rights; Trusts

Refer from Commerce; Economics; Federal regulation of industry (s); Government; Government ownership; Industry; Municipal ownership; Paternalism; Police power; Public service commissions; Public service corporations; Railroads and state; State regulation of industry (s)

Governors

Refer from Biography; U. S. — Biography; Statesmen

Gowrie conspiracy, 1600
See also Scotland — History

Refer from Scotland — History

Graal *see* Grail

Grace (theology)
See also Justification

Refer from Conversion; Justification; Salvation; Theology

Grade crossings *see* Railroads — Crossings
Grading in schools *see* School grading and promotions
Graduated taxation *see* Taxation, Progressive
Graduation *see* Commencements

Graft
See also Bribery; Political corruption

Refer from Boss rule; Bribery; Crime and criminals; Political corruption; Political ethics

Grafting
See also Fruit culture

Refer from Forests and forestry; Fruit culture; Gardening; Plant propagation; Trees

Grail
See also Arthurian romances

Refer from Arthurian romances; Graal (s); Gréal (s); Holy grail (s); Legends; Sangreal (s)

Grain
See also Barley; Corn; Grain elevators; Oats; Rice; Seeds — Selection and testing; Wheat

Refer from Agricultural products; Barley; Breadstuffs (s); Cereals (s); Corn; Feeding and feeding stuffs; Flour and flour mills; Food; Oats; Threshing; Wheat

Grain elevators

Refer from Architecture; Elevators, Grain (s); Grain; Warehouses

Graining
See also Painting, Mechanical; Stains and staining; Wood finishing

Refer from Painting, Mechanical; Stains and staining; Wood finishing; Woodwork

Grammar
See also Etymology; Grammar, English; Prosody; *also* names of languages other than English, e.g. German language — Grammar

Refer from Accidence (s); Language; Syntax (s); Words

Grammar—Continued
——**English**

Refer from English grammar (s); English language; English language—Grammar (s); English language—Syntax (s); English syntax (s); Grammar

Grammar schools
See also Education, Elementary

Refer from Education; Education, Elementary; Public schools; Schools

Gramophone *see* Phonograph
Grand jury *see* Jury
Grand opera *see* Opera
Grange

Refer from Agricultural societies; Commerce; Farmers; Patrons of husbandry (s); Secret societies

Grangerism *see* Extra illustration
Granite
See also Building stones; Rocks

Refer from Building stones; Igneous rocks; Stone; Rocks

Grape
See also Fruit; Wine

Refer from Fruit; Grapes (s); Vine (s); Vines (s); Vineyards (s); Viticulture (s); Wine

Grapes *see* Grape
Graphic arts *see* Art; Drawing; Engraving; Painting
Graphic statics
See also Bridges; Girders; Mechanical drawing; Roofs; Steel construction; Strains and stresses; Strength of materials

Refer from Bridges; Building; Girders; Graphics; Mechanical drawing; Mechanics; Roofs; Statics; Steel construction; Strains and stresses; Strength of materials

Graphics
See also Geometrical drawing; Graphic statics; Mechanical drawing

Refer from Drawing; Geometrical drawing; Mechanical drawing

Graphite
See also Geology, Economic

Refer from Black lead (s); Carbon; Geology, Economic; Plumbago (s)

Graphology
See also Penmanship; Writing

Refer from Character; Character reading (s); Handwriting (s); Penmanship; Psychology; Writing

Graphophone *see* Phonograph
Grass *see* Grasses
Grasses
See also Bamboo; Clover; Feeding and feeding stuffs; Forage plants; Grazing; Hay; Lawns; Pastures and meadows

Refer from Agrostology (s); Botany, Economic; Feeding and feeding stuffs; Forage plants; Grass (s); Hay; Herbage (s); Lawns; Pastures and meadows

Grasshoppers *see* Locusts
Grave mounds *see* Mounds and mound builders
Graves *see* Burial; Cemeteries; Mounds and mound builders; Tombs
Gravestones *see* Tombstones
Graveyards *see* Cemeteries
Gravitation
See also Astronomy; Matter; Pendulum; Physics; Potential, Theory of; Specific gravity; Weights and measures

Refer from Astronomy; Centrifugal force; Matter; Pendulum; Physics; Specific gravity; Weights and measures

Gray friars *see* Franciscans
Grazing
See also Forage plants; Pastures and meadows

Refer from Forage plants; Grasses; Live stock; Pastures and meadows; U. S.—Public lands

Gréal *see* Grail
Grease *see* Lubrication and lubricants; Oils and fats
Great Lakes

Refer from Lakes; U. S.—Commerce; Waterways—Canada; Waterways—U. S.

Great schism, 1378–1417, *see* Schism, The great western, 1378–1417
Greek architecture *see* Architecture, Greek
Greek church
See also Coptic church; Eastern churches

Refer from Catholic church; Eastern churches; Holy eastern church (s); Orthodox eastern church (s); Russian church (s)

Greek civilization *see* Greece — Civilization; Hellenism
Greek culture *see* Hellenism
Greek drama
See also Dramatists, Greek; Greek literature; Theater — Greece

Refer from Dramatists, Greek; Greek literature; Greek poetry; Theater — Greece

Greek empire *see* Byzantine empire
Greek language [subdivided like German language]
See also Aryan languages

Refer from Aryan languages; Classical languages (s)

Greek language (modern)

Refer from Romaic language (s)

Greek letter societies *see* Fraternities, College; Fraternities, High school
Greek literature
See also Authors, Greek; Classical literature; Greek drama; Greek poetry; Hellenism; Satire, Greek

Refer from Authors, Greek; Classical literature; Greek drama; Greek poetry; Satire, Greek

Greek literature (modern)

Refer from Romaic literature (s)

Greek mythology *see* Mythology, Classical
Greek philosophy *see* Philosophy, Greek
Greek poetry
See also Greek drama; Greek literature; Poets, Greek

Refer from Greek literature; Poets, Greek

Greek satire *see* Satire, Greek
Greenbacks
See also Legal tender; Money — U. S.; Paper money

Refer from Fiat money (s); Legal tender; Money; Money — U. S.; Paper money

Greenhouses
See also Market gardening

Refer from Agriculture; Architecture; Conservatories (s); Floriculture; Gardening; Hothouses (s); Market gardening; Winter gardening (s)

Greetings *see* Salutations
Gregorian calendar *see* Calendar
Gregorian chant *see* Chants
Gregorian music *see* Chants
Grey friars *see* Franciscans
Grilles
See also Ironwork; Lattice

Refer from Architecture; Doors; Fret cutting (s); House decoration; Ironwork; Lattice; Windows

Grimm's law

Refer from Germanic languages

Grinding and polishing
See also Abrasives; Machine shop practice

Refer from Abrasives; Machine shop practice; Machine tools; Polishing (s)

Grippe *see* Influenza
Grist mills *see* Flour and flour mills
Groceries

Refer from Food

Grotesque
See also Caricature and cartoons

Refer from Esthetics

Grottoes *see* Caves
Ground water *see* Water, Underground
Group plan for public buildings *see* Municipal centers
Groups, Theory of
See also Algebra; Crystallography

Refer from Algebra; Equations; Functions; Mathematics; Numbers; Theory of groups (s)

Growth
See also Regeneration (biology)

Refer from Age; Biology; Development (s); Physiology

Guano
See also Fertilizers and manures

Refer from Fertilizers and manures

Guaranties and sureties
See also Bail; Bailments; Bonds; Commercial law

Refer from Bail; Bonding companies (s); Bonds; Commercial law; Contracts; Law; Sureties (s)

Guaranty of bank deposits *see* Banks and banking — Guaranty of deposits

Guardians
See also Administrators and executors; Adoption; Domestic relations; Probate law and practice; Trustees

Refer from Adoption; Domestic relations; Inheritance; Law; Probate law and practice; Trustees; Wards (s); Wills

Guelfs and Ghibellines
See also Italy — History — To 1559

Refer from Ghibellines (s); Guelphs (s); Italy — History — To 1559

Guelphs *see* Guelfs and Ghibellines

Guerillas *see* Guerrillas

Guerrillas
See also U. S.— History — Civil war

Refer from Guerillas (s); International law; Military art and science; U. S.— History — Civil war; War

Guests
See also Entertaining; Hospitality

Refer from Entertaining; Etiquet; Home economics; Hospitality; Visiting (s)

Guide-books *see* names of countries and places, e.g. U. S.— Description and travel — Guidebooks

Guidebooks *see* names of countries and places, e.g. U. S.— Description and travel — Guidebooks

Guilds *see* Gilds

Guillotine

Refer from Capital punishment

Guitar
See also Stringed instruments

Refer from Musical instruments; Stringed instruments

Gulfs *see* Bays and gulfs

Gums and resins
See also Chemistry, Technical; Varnish and varnishing

Refer from Chemistry, Technical; Forest products; Resins (s); Rosin (s)

Gun *see* Guns

Guncotton
See also Celluloid; Cellulose; Explosives; Gunpowder

Refer from Celluloid; Cellulose; Explosives; Gunpowder

Gunnery
See also Ammunition; Artillery; Artillery drill and tactics; Ballistics; Explosives; Firearms; Gunpowder; Guns; Ordnance; Projectiles; Rifle practice; Shooting; Target practice

Refer from Artillery; Artillery drill and tactics; Ballistics; Firearms; Fortification; Guns; Military art and science; Naval art and science; Naval gunnery (s); Ordnance; Projectiles; Shooting; Target practice

Gunning *see* Hunting; Shooting

Gunpowder
See also Ammunition; Explosives; Guncotton

Refer from Ammunition; Chemistry, Technical; Explosives; Firearms; Guncotton; Gunnery; Guns; Ordnance; Powder (s); Smokeless powder (s)

Gunpowder plot
See also England — History — Stuarts

Refer from Catholic church in England; Conspiracies; England — History — Stuarts

Guns
See also Ammunition; Artillery; Bayonets; Firearms; Gunnery; Gunpowder; Naval guns; Ordnance; Pistols; Rifles; Shooting; Shotguns

Refer from Arms and armor; Cannon (s); Firearms; Gun (s); Gunnery; Hunting; Machine guns (s); Ordnance; Rifles; Shooting

Gutta-percha
See also Rubber

Refer from Chemistry, Technical; Rubber

Gymnasiums
See also Gymnastics; Physical education

Refer from Gymnastics; Physical education

Gymnastics
See also Acrobats; Athletics; Drills and marches; Dumb-bells; Exercise; Gymnasiums; Indian clubs; Physical education

Refer from Acrobats; Athletics; Calisthenics (s); Callisthenics (s); Dumb-bells; Exercise; Gymnasiums; Hygiene; Indian clubs; Manly exercise (s); Physical education; Sports; Training; Turning (gymnastics) (s)

——Medical
See also Mechanotherapy; Physical education; Swedish movement cure

Refer from Mechanotherapy; Medical gymnastics (s); Movement cure (s); Physical education; Swedish movement cure; Therapeutic gymnastics (s); Therapeutics

Gynecology *see* Women — Diseases
Gypsies *see* Gipsies
Gypsum
See also Geology, Economic

Refer from Fertilizers and manures; Geology, Economic

Gypsy language *see* Romany language
Gypsy moth *see* Gipsy moth
Gyroscope
See also Railroads — Single rail

Refer from Physics; Railroads — Single rail; Rotation

Habeas corpus
See also Constitutional law; Martial law

Refer from Arrest; Constitutional law; Law; Martial law

Habit
See also Inhibition; Instinct; Left- and right-handedness; Psychology; Subconsciousness

Refer from Conduct of life; Ethics; Inhibition; Instinct; Psychology

Habitations, Human, *see* Architecture, Domestic; Housing problem
Habitations of animals *see* Animals — Habitations
Habits of animals *see* Animals — Habits and behavior
Hades *see* Future life; Hell
Haematology *see* Blood
Hail

Refer from Meteorology; Storms; Water

Hair
See also Baldness; Hairdressing

Refer from Baldness; Beauty, Personal; Color of man; Head; Pathology

Hair dressing *see* Hairdressing
Hairdressing
See also Costume; Fashion; Toilet

Refer from Coiffure (s); Costume; Fashion; Hair; Hair dressing (s); Toilet

Half-tone process *see* Photo-engraving
Hall marks
See also Goldsmithing; Pewter; Plate; Silverware

Refer from Goldsmithing; Jewelry; Marks, Goldsmiths' (s); Plate; Plate marks (s); Silversmithing; Silverware

Hall of fame

Refer from Fame; U. S.— Biography

Halloween

Refer from All hallow eve (s); Fortune telling; Manners and customs; Superstition

Hallucinations *see* Illusions and hallucinations
Hamites
See also Berbers

Refer from Berbers; Ethnology; Ethnology — Africa

Hamitic languages
See also African languages; Coptic language; Egyptian language

Refer from African languages; Coptic language; Egyptian language

Hand
See also Ambidexterity; Anatomy; Finger prints; Gloves; Left- and right-handedness; Manicuring; Palmistry

Refer from Ambidexterity; Anatomy; Beauty, Personal; Fingers (s); Left- and right-handedness

Hand-ball *see* Handball
Hand-railings *see* Railings
Handball
Refer from Ball (s); Games; Hand-ball (s)

Handicraft
See also Arts and crafts; Domestic arts; Industrial arts; Manual training; Occupations
Refer from Arts and crafts; Crafts (s); Domestic arts; Industrial arts; Manual training; Occupations

Handrailings *see* Railings
Handwriting *see* Autographs; Graphology; Penmanship; Writing
Hanging *see* Capital punishment
Hanse towns *see* Hanseatic league
Hanseatic league
See also Germany — History; Middle ages — History; *also* names of towns in the league
Refer from Cities; Commerce; Germany — Commerce; Germany — History; Hanse towns (s); Middle ages — History

Happiness
See also Cheerfulness; Contentment; Hedonism; Joy; Optimism; Pleasure
Refer from Cheerfulness; Contentment; Ethics; Gladness (s); Hedonism; Joy; Pleasure

Harbor defense *see* Coast defense
Harbors
See also Breakwaters; Buoys; Civil engineering; Docks; Dredging; Jetties; Pilots and pilotage; Wharves; *also* names of cities, subhead Harbor
Refer from Civil engineering; Commerce; Docks; Engineering; Hydraulic engineering; Hydrography; Municipal improvement; Navigation; Ports (s); Transportation

Hard times *see* Business depression; Panics
Hardness
Refer from Matter; Mineralogy

Hardware
See also Bolts and nuts; Cutlery; Files and rasps; Knives; Locks and keys; Metal work; Nails and spikes; Screws; Tools
Refer from Building; Iron; Manufactures; Metal work; Metals

Hare *see* Hares
Harem
See also Turkey — Social life and customs
Refer from Polygamy; Seraglio (s); Turkey — Social life and customs; Women

Hares
See also Belgian hares; Coursing; Rabbits; Rodents
Refer from Belgian hares; Coursing; Hare (s); Rabbits; Rodents

Harlequins *see* Clowns
Harmonists
See also Economy, Pa.
Refer from Communism; Harmonites (s); Harmony society (s); Rappists (s); Sects

Harmonites *see* Harmonists
Harmonium *see* Reed organ
Harmony
See also Counterpoint; Melody; Modulation; Music — Theory
Refer from Composition (music); Melody; Modulation; Music; Music — Theory; Thorough bass (s)

Harmony of the Gospels *see* Bible — New Testament — Gospels — Harmonies
Harmony society *see* Harmonists
Harness
See also Checkreins
Refer from Checkreins; Horse; Leather; Manufactures; Saddlery (s)

Harp
See also Stringed instruments
Refer from Musical instruments; Stringed instruments

Harpoons
Refer from Fishing; Whaling

Harpsichord
See also Musical instruments; Piano
Refer from Musical instruments; Piano; Stringed instruments

Harrowing *see* Tillage
Harvesters *see* Harvesting machinery

Harvesting machinery
See also Farm implements and machinery; Mowing machines

Refer from Binders (s); Farm implements and machinery; Harvesters (s); Reapers (s); Reaping machines (s)

Hasheesh *see* Hashish
Hashish
See also Hemp; Narcotics

Refer from Bhang (s); Hasheesh (s); Hemp; Narcotics

Hastings, Battle of
See also England — History — Normans

Refer from England — History — Normans

Hate
See also Emotions

Refer from Emotions

Hats
See also Costume; Headgear; Millinery

Refer from Costume; Headgear; Manufactures; Millinery

Haunted houses *see* Ghosts
Hawking *see* Falconry
Hay
See also Alfalfa; Clover; Feeding and feeding stuffs; Grasses; Pastures and meadows

Refer from Agricultural products; Feeding and feeding stuffs; Grasses; Pastures and meadows

Hay boxes *see* Fireless cookers
Hay fever
See also Catarrh; Respiratory organs — Diseases

Refer from Autumnal catarrh (s); Catarrh; Fever; Medicine — Practice; Respiratory organs — Diseases

Hay stoves *see* Fireless cookers
Hazing
See also Fraternities, College; Student life

Refer from Colleges and universities; Fraternities, College; Secret societies; Student life

Head
See also Anatomy; Baldness; Brain; Ear; Eye; Face; Hair; Headache; Mouth; Nose; Phrenology; Physiognomy; Skull

Refer from Anatomy; Brain; Skull

Head-gear *see* Headgear
Head-hunters
See also Dyaks; Formosa

Refer from Dyaks; Ethnology; Formosa; Malays

Headache

Refer from Head; Medicine — Practice; Nervous system — Diseases

Headgear
See also Costume; Hats; Helmets; Millinery

Refer from Costume; Hats; Head-gear (s); Millinery

Headstones *see* Tombstones
Healing *see* Therapeutics
Healing, Mental, *see* Mental healing
Health *see* Hygiene
Health boards
See also Hygiene, Public

Refer from Boards of health (s); Hygiene, Public; Public health boards (s)

Health insurance *see* Insurance, Health
Health resorts
See also Climate; Mineral waters; Sanatoriums; Summer resorts; Winter resorts

Refer from Climate; Hygiene; Invalids; Mineral waters; Resorts (s); Sanatoriums; Spas (s); Summer resorts; Watering places (s); Winter resorts

Health thoughts *see* Mental healing
Healths, Drinking of, *see* Drinking customs; Toasts
Hearing
See also Deafness; Ear; Senses and sensation

Refer from Acoustics (s); Audition (s); Deafness; Ear; Perception; Senses and sensation; Sound

Heart
See also Auscultation; Blood; Blood vessels; Sphygmograph

Refer from Blood; Blood vessels; Chest; Vascular system

Heat *See also* Animal heat; Boiling points; Calorimeters and calorimetry; Cold; Combustion; Earth — Temperature; Expansion (physics); Fire; Flame; Heating; Liquefaction of gases; Melting points; Physics; Pyrometers and pyrometry; Radiation; Steam; Sun; Temperature; Thermodynamics; Thermometer	*Refer from* Caloric (s); Cold; Combustion; Expansion (physics); Fire; Heating; Meteorology; Physics; Radiation; Steam engines; Temperature; Thermodynamics; Vibration
Heat engines *See also* Air engines; Gas and oil engines; Steam engines; Thermodynamics	*Refer from* Engines; Gas and oil engines; Thermodynamics
Heathenism *see* Paganism	
Heating *See also* Boilers; Car heating, lighting and ventilation; Chimneys; Electric heating; Fireplaces; Fuel; Furnaces; Heat; Hot water heating; Steam heating; Stoves; Ventilation	*Refer from* Architecture; Architecture, Domestic; Building; Chimneys; Fire; Fuel; Heat; Home economics; Sanitary engineering; Sanitation, Household; Steam heating; Stoves; Ventilation; Warming (s)
Heatstroke	*Refer from* Medicine — Practice; Sunstroke (s)
Heaven *See also* Angels; Future life	*Refer from* Death; Eschatology; Future life; Paradise (s); Theology
Heavens *see* Astronomy	
Hebrew language *See also* Semitic languages; Yiddish language	*Refer from* Jewish language (s); Jews — Language (s); Semitic languages
Hebrew literature *See also* Bible — Old Testament; Cabala; Hebrew poetry; Jewish literature; Oriental literature; Talmud; Yiddish literature	*Refer from* Hebrew poetry; Jewish literature; Jews — Literature (s); Oriental literature
Hebrew poetry *See also* Bible — Old Testament — Poetical books; Hebrew literature	*Refer from* Hebrew literature
Hebrews *see* Jews	
Hedges *See also* Evergreens; Landscape gardening; Shrubs	*Refer from* Evergreens; Fences; Landscape gardening; Shrubs; Trees
Hedonism *See also* Egoism; Epicureans; Ethics; Happiness; Pleasure; Selfishness; Utilitarianism	*Refer from* Ethics; Happiness; Philosophy; Pleasure; Selfishness
Heights *see* Altitudes	
Heirs *see* Inheritance	
Helicopters *see* Flying machines	
Heliochromy *see* Color photography	
Heliogravure *see* Photogravure	
Heliometer *See also* Astronomical instruments; Parallax	*Refer from* Astronomical instruments
Heliostat *See also* Astronomical instruments	*Refer from* Astronomical instruments
Heliotropism *See also* Irritability; Plants — Movements	*Refer from* Irritability; Light; Plants — Movements
Heliotype *See also* Collotype; Photomechanical processes	*Refer from* Collotype; Photography; Photomechanical processes
Helium *See also* Radioactivity	*Refer from* Chemical elements; Gases; Radioactivity
Hell *See also* Future life; Future punishment	*Refer from* Death; Eschatology; Future life; Future punishment; Hades (s); Retribution (s); Theology

Hellenism
See also Classicism; Neoplatonism

Refer from Classicism; Greek culture (s); Greek civilization (s); Greek literature; Humanism

Helmets

Refer from Arms and armor; Headgear

Helminthology *see* Parasites; Worms
Hematology *see* Blood
Hemiplegia *see* Paralysis
Hemiptera
See also Chinch bugs; Cicadas; Insects; Plant lice; Scale insects

Refer from Bugs (s); Chinch bugs; Cicadas; Insects; Plant lice; Scale insects

Hemorrhage
See also Bloodletting

Refer from Bleeding (s); Blood; Pathology; Wounds

Hemp
See also Cordage; Fibers; Hashish; Jute; Linen; Ramie; Rope

Refer from Fibers; Hashish; Linen; Rope; Yarn

Hen *see* Poultry
Hen houses *see* Poultry houses
Hens *see* Poultry
Heraldic visitations *see* Visitations, Heraldic
Heraldry
See also Arms and armor; Chivalry; Decorations of honor; Devices; Emblems; Flags; Genealogy; Insignia; Knights and knighthood; Mottoes; Peerage; Precedence; Seals (numismatics); Titles of honor and nobility; Visitations, Heraldic

Refer from Archaeology; Arms, Coats of (s); Biography; Chivalry; Coats of arms (s); Crests (s); Decorations of honor; Devices; Genealogy; History; Knights and knighthood; Mottoes; Nobility (s); Pedigrees (s); Peerage; Titles of honor and nobility

Herbage *see* Grasses
Herbs, Medicinal, *see* Medical botany
Heredity
See also Biology; Breeding; Consanguinity; Defectives; Degeneration; Eugenics; Evolution; Genius; Hybridization; Mendel's law; Natural selection; Physical deterioration; Plant breeding; Prenatal influences; Species; Variation (biology)

Refer from Ancestry (s); Atavism (s); Biology; Breeding; Children; Crime and criminals; Degeneration; Descent (s); Environment; Eugenics; Evolution; Inheritance (biology) (s); Man; Natural selection; Parents; Physical deterioration; Physiology; Psychology; Transmission (biology) (s); Variation (biology); Zoology

Heresy
See also Church history; Inquisition; Liberty of conscience; Martyrs; Persecution

Refer from Church history; Liberty of conscience; Theology

Hermaphroditism

Refer from Biology; Sex

Hermeneutics *see* Bible — Criticism and interpretation
Hermetic art *see* Alchemy; Astrology; Occult sciences
Hermits
See also Asceticism

Refer from Asceticism; Biography; Christian biography; Monks (s); Solitude

Heroes
See also Adventure; Courage; Discoveries and explorations; Explorers; Martyrs; Missionaries; Mythology; Saints

Refer from Adventure; Biography; Courage; Heroines (s); Heroism (s); History

Heroines *see* Heroes
Heroism *see* Courage; Heroes
Herpetology *see* Reptiles
Herrnhuters *see* Moravians
Hertzian waves *see* Electric waves
Hessian flies

Refer from Diptera; Flies; Insects, Injurious and beneficial; Wheat

Hessians in the American revolution *see* U. S.— History — Revolution — German troops
Hexateuch *see* Bible — Old Testament — Hexateuch

Hibernation
See also Animals — Habits and behavior

Refer from Animals — Habits and behavior

Hides and skins
See also Fur; Leather; Tanning

Refer from Animal products; Fur; Leather; Skins (s); Tanning

Hieroglyphics
See also Alphabet; Egyptian language; Inscriptions; Picture writing; Rosetta stone

Refer from Alphabet; Egyptian language; Inscriptions; Language; Picture writing; Writing

High buildings
See also Elevators; Steel construction

Refer from Architecture; Sky-scrapers (s); Skyscrapers (s); Steel construction; Tall buildings (s)

High license *see* Liquor laws; Liquor traffic
High school athletics *see* School athletics
High school fraternities *see* Fraternities, High school
High schools
See also College entrance requirements; Commencements; Education, Secondary; Fraternities, High school; School athletics

Refer from Education; Education, Secondary; Public schools; Schools; Secondary schools (s)

High speed *see* Speed
High treason *see* Treason
Higher criticism *see* Bible — Criticism and interpretation
Higher education *see* Classical education; College education, Value of; Colleges and universities; Professional education; Technical education
Higher thought (new thought) *see* New thought
Highlands of Scotland
See also Clans; Tartans

Refer from Clans; Scotland; Scottish highlands (s)

Highwaymen *see* Brigands and robbers
Highways *see* Roads; Streets
Hindoos *see* Hindus
Hindoostanee language *see* Hindustani language
Hindu literature
See also Oriental literature; Sanskrit literature; Vedas

Refer from Oriental literature; Sanskrit literature

Hindu philosophy *see* Philosophy, Hindu
Hinduism
See also Brahmanism; Buddhism; Caste; India — Religion; Jains; Philosophy, Hindu; Vedanta; Vedas; Yoga

Refer from Brahmanism; Buddhism; India — Religion; Religions; Yoga

Hindus
See also Aryans

Refer from Aryans; Ethnology — India; Hindoos (s); India

Hindustani language
See also Indo-Aryan languages

Refer from Hindoostanee language (s); Indo-Aryan languages

Hippodrome *see* Circus
Hippology *see* Horse
Histochemistry *see* Physiological chemistry
Histology
See also Anatomy; Botany, Structural; Cells; Microscope and microscopy; *also* names of organs and tissues, e.g. Muscles

Refer from Anatomy; Cells; Medicine; Microscope and microscopy; Microscopic anatomy (s); Morphology; Pathology; Tissues (s)

Historians
See also Archaeologists; Authors

Refer from Archaeologists; Authors; Biography; History

Historic houses
See also Preservation of landmarks, scenery, etc.; *also* names of countries and cities, subhead Historic houses, etc.

Refer from History; Houses, Historic (s); Preservation of landmarks, scenery, etc.

Historic materialism *see* Economic determinism
Historic trees *see* Trees, Historic

Historical atlases
See also Geography, Historical
Refer from Atlases; Geography, Historical; History

Historical dictionaries *see* History — Dictionaries

Historical fiction [for works about historical fiction]
For historical novels *see* subhead History — Fiction (or History — [period subdivision] — Fiction) under names of countries, cities, etc., and subhead Fiction under names of historical events and characters
Refer from Fiction; Fiction, Historical (s); History

Historical geography *see* Geography, Historical

Historical societies
See also Antiquarian societies
Refer from Antiquarian societies; History; Societies

History
See also Anthropogeography; Anthropology; Archaeology; Autobiography; Battles; Biography; Boundaries; Chronology, Historical; Church history; Civilization; Colonies and colonization; Conspiracies; Constitutional history; Crusades; Diplomacy; Disasters; Discoveries and explorations; Ethnology; Famines; Finance; Floods; Genealogy; Geography, Historical; Government; Heraldry; Heroes; Historians; Historic houses; Historical atlases; Historical fiction; Historical societies; International relations; Kings and rulers; Man; Massacres; Medals; Middle ages — History; Migration of nations; Military history; Naval history; Numismatics; Progress; Race problems; Revolutions; Riots; Sieges; Slavery; Sociology; Statistics; Treaties; Trees, Historic; *also* names of countries, etc., subheads Antiquities, Foreign relations, History, and Politics. For the history of a special subject *see* its name
Refer from Annals (s); Archaeology; Biography; Christendom (s); Chronology, Historical; Civilization; Man; Military history; Naval history; Science

——**Ancient**
See also Archaeology; Bible — History; Civilization, Ancient; Classical dictionaries; Geography, Ancient; Inscriptions; Numismatics; Seven wonders of the world; *also* names of ancient races and peoples, and names of countries of antiquity
Refer from Ancient history (s); Archaeology

——Comic, *see* Comic histories
——Constitutional, *see* Constitutional history
——**Dictionaries**
Refer from Historical dictionaries (s)

——**Essays, addresses, etc.**
——Medieval, *see* Middle ages — History
——Military, *see* Military history
——**Modern**
See also Eastern question; Eighteenth century; Europe — History — 1492–1789; Europe — History — 1789–; Fifteenth century; Holy alliance; Nineteenth century; Reformation; Renaissance; Seventeenth century; Sixteenth century Twentieth century
Refer from Eighteenth century; Europe — History — 1492–1789; Europe — History — 1789–; Modern history (s); Nineteenth century; Seventeenth century; Sixteenth century

——Natural, *see* Natural history
——Naval, *see* Naval history
——**Philosophy**
See also Civilization; Economic determinism
Refer from Civilization; Philosophy; Philosophy of history (s)

History — Continued
——**Sources**
See also Archives; Charters; Diplomatic memoirs; Genealogy; Manuscripts
——**Universal** — *Refer from* Universal history (s)
Histrionics *see* Acting; Theater
Hittites — *Refer from* Bible — Ethnology
Hoaxes *see* Imposture
Hockey
See also Winter sports — *Refer from* Bandy (s); Games; Ice hockey (s); Winter sports

Hog *see* Swine
Hogs *see* Swine
Hoisting machinery
See also Conveying machinery; Cranes, derricks, etc.; Electromagnets; Elevators; Mining machinery; Rope — *Refer from* Conveying machinery; Cranes, derricks, etc.; Elevators; Lifts (s); Machinery; Mining machinery
Holidays
See also Anniversaries; Arbor day; Bird day; Christmas; Fasts and feasts; Festivals; Flag day; Fourth of July; Memorial day; New Year; Patriots' day; Thanksgiving day; Vacations — *Refer from* Anniversaries; Celebrations (s); Christian year; Christmas; Days; Entertainments; Fasts and feasts; Festivals; Legal holidays (s); Manners and customs; National holidays (s); Vacations
Holiness *see* Sanctification
Holy alliance
See also Europe — History — 1789–; Intervention — *Refer from* Alliance, Holy (s); Austria — History; Europe — History — 1789–; History, Modern; International relations; Intervention; Prussia — History; Russia — History; Treaties

Holy days *see* Fasts and feasts
Holy eastern church *see* Greek church
Holy Ghost *see* Holy Spirit
Holy grail *see* Grail
Holy office *see* Inquisition
Holy Roman empire
See also Germany — History; Middle ages — History — *Refer from* Europe — History; German empire (Western empire) (s); Germany — History; Middle ages — History; Western empire (s)

Holy Scriptures *see* Bible
Holy See *see* Catholic church; Popes
Holy sepulcher
See also Jerusalem — *Refer from* Jerusalem; Jesus Christ; Tombs
Holy Spirit
See also Trinity — *Refer from* God; Holy Ghost (s); Spirit (s); Theology; Trinity

Holy week
See also Christian year; Easter; Fasts and feasts; Good Friday; Lent — *Refer from* Christian year; Fasts and feasts; Lent
Holy wells
See also Shrines — *Refer from* Miracles; Shrines; Wells
Home
See also Children; Family; Home economics; Marriage; Mothers; Women — *Refer from* Children; Ethics; Family; Home economics; Mothers; Women
Home decoration *see* House decoration
Home economics
See also Apartment houses; Breakfasts; Carving (meat, etc.); Chemistry, Household; Cleanliness; Cookery; Cooperative housekeeping; Cost of living; Dairying; Diet; Dinners and dining; Domestic arts; Dressmaking; Electricity in the home; Entertaining; Family; Fancy work; Fireless cookers; Food; Fuel; Furniture; Gardening; Guests; Heating; Home; House cleaning; House — *Refer from* Cookery; Domestic arts; Domestic economy (s); Domestic science (s); Economics; Family; Home; Household economics (s); Household management (s); Household science (s); Housekeeping (s); Industrial arts; Kitchen; Women

decoration; Household pests; Kitchen; Kitchen garden (for teaching housekeeping); Laundry; Luncheons; Marketing; Menus; Needlework; Receipts; Sanitation, Household; Servants; Standard of living; Sweeping; Table; Ventilation

Home education
See also Children; Correspondence schools and courses; Self-culture

Refer from Children; Children — Education (s); Domestic education (s); Education; Education, Elementary; Education of children (s); Family; Home training (s); Parents

Home labor
See also Sweating system

Refer from Industry; Labor and laboring classes; Sweating system; Women — Employment

Home libraries
Refer from Libraries; Libraries, Home (s)

Home missions *see* Missions, Home

Home rule

Refer from Government; Local government; Self-government (s)

——Ireland
See also Fenians (society); Ireland — Government

Refer from Fenians (society); Ireland — Government

Home training *see* Children — Management; Home education

Homeopathy
See also Medicine, and references under that subject

Refer from Homoeopathy (s); Medicine; Pharmacy; Therapeutics

Homes (institutions) *see* Almshouses; Asylums; Charities; Homes for the aged; *also* names of cities, subheads Hospitals and asylums and Charities; and special classes of people, e.g. Blind — Asylums and education; Orphans and orphan asylums, Soldiers' homes

Homes for the aged
See also Soldiers' homes

Refer from Aged poor (s); Asylums; Homes (institutions) (s); Old age; Old age homes (s); Old ladies' homes (s); Poor

Homestead law

Refer from Land tenure — U. S.; U. S. — Public lands

Homicide *see* Murder

Homiletical illustrations *see* Anecdotes, Religious

Homiletics *see* Preaching; Sermons

Homilies *see* Sermons

Homing pigeons *see* Pigeons

Homoeopathy *see* Homeopathy

Honesty
See also Business ethics; Sincerity

Refer from Business ethics; Conduct of life; Dishonesty (s); Ethics; Sincerity; Truth

Honey
See also Bees

Refer from Bees

Honor
See also Business ethics; Dueling

Refer from Business ethics; Chivalry; Dueling; Ethics

Honor system *see* Self-government (in education)

Honorary degrees *see* Degrees, Academic

Honorary titles *see* Titles of honor and nobility

Hoods, Academic, *see* Costume, Academic

Hookworm disease
Refer from Medicine — Practice; Parasites

Hornbooks
Refer from Literature; Primers

Horns
Refer from Antlers (s); Cattle; Cows; Dehorning of cattle (s); Zoology

Horology *see* Clocks and watches; Timekeepers

Horoscopes *see* Astrology

Horse
See also Barns and stables; Checkreins; Domestic animals; Driving; Harness; Horse racing; Horse training; Horsemanship; Horseshoeing; Live stock; Pack transportation; Ungulata; Veterinary medicine

Refer from Barns and stables; Cavalry; Cavalry drill and tactics; Domestic animals; Driving; Farriery (s); Hippology (s); Horses (s); Live stock; Pacing (s); Pedigrees (s); Race horses (s); Trotting (s); Ungulata; Veterinary medicine

Horse-breaking *see* Horse training
Horse racing

Refer from Book-making (betting) (s); Bookmaking (betting) (s); Gambling; Horse; Pacing (s); Race horses (s); Racing (s); Sports; Steeplechasing (s); Trotting (s); Turf, The (s)

Horse railroads *see* Street railroads
Horse training
See also Horsemanship

Refer from Animals — Training; Horse; Horse-breaking (s); Training

Horseless carriages *see* Automobiles
Horsemanship
See also Coaches and coaching; Driving; Hunting; Polo

Refer from Driving; Equestrianism (s); Horse; Horse training; Locomotion; Riding (s); Sports

Horses *see* Horse
Horseshoeing
See also Blacksmithing

Refer from Blacksmithing; Farriery (s); Horse

Horticulture *see* Floriculture; Fruit culture; Gardening
Hosiery

Refer from Clothing; Costume; Dry goods; Foot; Stockings (s); Textile industry and fabrics; Underwear

Hospitality
See also Entertaining; Guests

Refer from Guests

Hospitallers *see* Malta, Knights of
Hospitals
See also Ambulances; Asylums; Charities; Convalescent homes; Dispensaries; First aid in illness and injury; Hospitals, Military; Hospitals, Naval and marine; Inebriate asylums; Insane hospitals; Nurses and nursing; Sanatoriums; *also* names of cities and countries, subhead Hospitals and asylums

Refer from Architecture; Asylums; Charities; Charities, Medical; Dispensaries; Hygiene, Public; Infirmaries (s); Institutions, Charitable and philanthropic (s); Medicine; Nurses and nursing

——**Military**
See also Battlefield relief; Red cross; *also* names of wars, subhead Medical and sanitary affairs

Refer from Battlefield relief; Field hospitals (s); Hospitals; Military art and science; Military hospitals (s)

——**Naval and marine**

Refer from Hospitals; Marine hospitals (s); Naval hospitals (s)

Hot-air engines *see* Air engines
Hot springs *see* Geysers and hot springs
Hot water heating

Refer from Heating; Steam heating; Water heating (s)

Hotels
See also Apartment houses; Coffeehouses; Inns; Lodging houses; Restaurants

Refer from Architecture; Inns; Lodging houses; Restaurants; Taverns (s)

Hothouses *see* Greenhouses
Hottentots
See also Bushmen

Refer from Ethnology — Africa

Hours of labor
See also Child labor; Daylight saving; Women — Employment; Sweating system

Refer from Child labor; Eight-hour day (s); Factory laws; Factory system; Industrial betterment; Labor and laboring classes; Labor laws; Ten-hour day (s); Working-day (s)

House boats

Refer from Boats and boating; Houseboats (s); Outdoor life

House cleaning
See also Dust; Sweeping; Vacuum cleaning systems

Refer from Cleaning; Dust; Home economics; Sanitation, Household

House decoration
See also Bric-a-brac; Candlesticks; Carpets; Decoration and ornament; Drapery; Fancy work; Fireplaces; Floral decoration; Furniture; Grilles; Lattice; Mantels; Mural painting and decoration; Picture frames; Pictures; Rugs; School decoration; Tapestry; Upholstery; Wall paper; Wood finishing; Woodwork

Refer from Architecture, Domestic; Art; Carpets; Decoration and ornament; Furniture; Home decoration (s); Home economics; Household decoration (s); Houses (s); Interior decoration (s); Rugs; Upholstery

House drainage *see* Plumbing; Sanitation, Household; Sewerage
House flies *see* Flies
House painting
See also Frescoes; Mural painting and decoration; Painting, Mechanical

Refer from Architecture; Architecture, Domestic; Building; Mural painting and decoration; Painting, Mechanical

House plans *see* Architectural drawing; Architecture, Domestic
House plants *see* Floriculture; Plants, Cultivated; Window gardening
House rent *see* Rent
House sanitation *see* Sanitation, Household
Houseboats *see* House boats
Household arts *see* Domestic arts
Household chemistry *see* Chemistry, Household
Household decoration *see* House decoration
Household economics *see* Home economics
Household expenses *see* Cost of living
Household management *see* Home economics
Household pests
See also Flies; Insects, Injurious and beneficial; Mice; Mosquitoes; Rats

Refer from Home economics; Insects, Injurious and beneficial; Pests (s)

Household sanitation *see* Sanitation, Household
Household science *see* Home economics
Housekeeping *see* Cooperative housekeeping; Home economics
Housemaids *see* Servants
Houses *see* Architecture, Domestic; House decoration
Houses, Historic, *see* Historic houses
Housing problem
See also Apartment houses; Cities — Planning and laying out; Garden cities; Industrial betterment; Lodging houses; Sanitation, Household; Tenement houses

Refer from Architecture, Domestic; Cities; Cities — Planning and laying out; Dwellings (s); Habitations, Human (s); Hygiene, Public; Industrial betterment; Labor and laboring classes; Laborer's dwellings (s); Municipal improvement; Poor; Social problems; Tenement houses; Workingmen's dwellings (s)

Hucksters *see* Peddlers and peddling
Hudson Bay company
See also Fur trade

Refer from Canada — Commerce; Fur trade; Trading companies

Huguenots
See also Camisards; France — Religious history; Reformation — France; St. Bartholomew's day, Massacre of; Waldenses

Refer from Camisards; Church history; France — History — House of Valois; France — Religious history; Persecution; Reformation — France; St. Bartholomew's day, Massacre of; Sects; Waldenses

Human anatomy *see* Anatomy
Human body *see* Anatomy; Anthropometry; Physiology

Human faculties *see* Psychology
Human figure in art *see* Anatomy, Artistic; Figure drawing; Figure painting; Nude in art
Human race *see* Anthropology; Man
Human sacrifice *see* Sacrifice

Humane societies
See also Animals — Treatment; Charitable societies; Children — Charities, protection, etc.

Refer from Animals — Treatment; Charitable societies; Children — Charities, protection, etc.; Societies

Humanism
See also Classical education; Hellenism; Renaissance

Refer from Classical education; Culture; Literature; Philosophy; Renaissance

Humanitarianism (theology) *see* Unitarianism; *also* Arianism; Jesus Christ — Divinity; Socinianism; Trinity
Humanities *see* Classical education
Humbug *see* Imposture; Swindlers and swindling

Humidity
See also Dampness in buildings; Dew; Hygrometry; Meteorology

Refer from Air; Dew; Hygiene; Meteorology; Moisture of the air (s)

Humor
See also Anecdotes; Burlesques; Caricature and cartoons; Comedy; Comic histories; Epigrams; Fools; Humorists; Irony; Laughter; Limericks; Macaronic verse; Nonsense verse; Parodies; Punning; Recitations and readings, Humorous; Satire; Table-talk

Refer from Anecdotes; Caricature and cartoons; Comic literature (s); Facetiæ (s); Jests (s); Jokes (s); Laughter; Literature; Poetry; Punning; Satire; Wit and humor (s)

——American
See also American literature; Satire, American

Refer from American humor (s); American literature; American wit and humor (s)

——English
See also English literature; Satire, English

Refer from English humor (s); English literature; English wit and humor (s)

Humorists
See also Authors

Refer from Authors; Biography; Humor

Humorous recitations *see* Recitations and readings, Humorous

Hundred years' war, 1339–1453
See also Agincourt, Battle of; England — History — Plantagenets; England — History Lancaster and York; France — History — House of Valois

Refer from Agincourt, Battle of; England — History — Plantagenets; England — History — Lancaster and York; France — History — House of Valois

Hungarian language
See also Ural-Altaic languages

Refer from Magyar language (s); Ural-Altaic languages

Hungarian literature

Refer from Magyar literature (s)

Hungarians in the U. S.

Refer from U. S.— Foreign population

Huns
See also Barbarian invasions of Rome

Refer from Barbarian invasions of Rome

Hunting
See also Bears; Coursing; Deer; Dogs; Elephants; Falconry; Fishing; Foxes; Game; Game birds; Game laws; Game protection; Guns; Lions; Poaching; Shooting; Sports; Tigers; Tracking; Trapping

Refer from Adventure; Animals; Big game (s); Chase, The (s); Country life; Field sports (s); Game; Gunning (s); Horsemanship; Outdoor life; Shooting; Sports; Trapping

Hurricanes
See also Cyclones; Storms

Refer from Cyclones; Meteorology; Storms; Winds

Husband and wife *see* Domestic relations; Husbands; Marriage; Wives
Husbandry *see* Agriculture

Husbands
See also Domestic relations; Family; Fathers; Marriage; Wives

Refer from Domestic relations; Family; Husband and wife (s); Marriage; Men; Wives

Hussites
Refer from Reformation; Sects

Hybridism *see* Hybridization

Hybridization
See also Mendel's law; Plant breeding

Refer from Biology; Botany; Breeding; Heredity; Hybridism (s); Mendel's law; Plant breeding; Species

Hydraulic cement *see* Cement

Hydraulic engineering
See also Aqueducts; Artesian wells; Boring; Breakwaters; Bridges — Foundations and piers; Caissons; Canals; Cofferdams; Culverts; Dams; Docks; Drainage; Dredging; Embankments; Engineering; Floods; Fluids; Fountains; Harbors; Hydraulic machinery; Hydraulic mining; Hydraulics; Hydrodynamics; Hydro-electric plants; Irrigation; Jetties; Lighthouses; Mining engineering; Pumping stations; Pumps; Reclamation of land; Reservoirs; Rivers; Sea walls; Turbines; Water; Water power; Water supply; Water wheels; Wells; Wharves

Refer from Canals; Civil engineering; Dams; Engineering; Engineering, Hydraulic (s); Fluids; Hydraulic machinery; Hydraulics; Hydrodynamics; Machinery; Mechanical engineering; Rivers; Water; Water power; Water supply

Hydraulic machinery
See also Hydraulic engineering; Hydraulic motors; Hydraulic rams; Pumps; Turbines; Water wheels

Refer from Hydraulic engineering; Hydraulic motors; Hydraulic power (s); Hydraulic rams; Hydraulics; Machinery; Water power

Hydraulic mining
See also Gold dredging; Gold mines and mining; Mines and mineral resources

Refer from Gold mines and mining; Hydraulic engineering; Mines and mineral resources; Mining engineering; Placer mining (s)

Hydraulic motors
See also Hydraulic machinery; Turbines; Water wheels

Refer from Hydraulic machinery; Motors; Turbines; Water power; Water wheels

Hydraulic power *see* Hydraulic machinery; Hydro-electric plants; Water power

Hydraulic rams
See also Hydraulic machinery

Refer from Hydraulic machinery; Rams, Hydraulic (s)

Hydraulics
See also Fluids; Hydraulic engineering; Hydraulic machinery; Hydrodynamics; Hydrometer; Hydrostatics; Jets; Liquids; Mechanics; Physics; Rivers; Water; Water power

Refer from Flow of water (s); Fluids; Hydraulic engineering; Hydrodynamics; Hydromechanics (s); Hydrostatics; Jets; Mechanics; Physics; Rivers; Water; Water flow (s)

Hydrodynamics
See also Hydraulic engineering; Hydraulics; Hydrostatics; Jets; Mechanics; Viscosity; Waves

Refer from Dynamics; Fluids; Hydraulic engineering; Hydraulics; Hydrokinetics (s); Hydromechanics (s); Jets; Liquids; Mechanics; Viscosity

Hydro-electric plants
See also Electric power transmission

Refer from Electric engineering; Electric power transmission; Flumes; Hydraulic engineering; Hydraulic power (s); Power plants; Power plants, Electric; Water power; Water-power electric plants (s)

Hydrography
See also Charts; Harbors; Inland navigation; Navigation; Ocean; Ocean currents; Rivers; Sounding and soundings; Tides

Refer from Marine surveying (s); Maritime surveying (s); Nautical surveying (s); Navigation; Ocean; Oceanography (s); Physical geography; Rivers; Surveying; Thalassography (s)

Hydrokinetics *see* Hydrodynamics

Hydrology *see* Water; Water, Underground
Hydromechanics *see* Hydraulics; Hydrodynamics

Hydrometer

Refer from Areometer (s); Hydraulics; Hydrostatics; Specific gravity

Hydropathy *see* Hydrotherapy

Hydrophobia

See also Dogs; Pasteurism

Refer from Dogs; Medicine — Practice; Rabies (s)

Hydrostatics

See also Capillarity; Compressibility; Fluids; Hydraulics; Hydrometer; Mechanics; Physics; Specific gravity; Water

Refer from Capillarity; Fluids; Hydraulics; Hydrodynamics; Liquids; Mechanics; Physics; Statics; Water

Hydrotherapy

See also Baths and bathing; Mineral waters

Refer from Baths and bathing; Hydropathy (s); Kneipp cure (s); Therapeutics; Water cure (s)

Hygiene

See also Air pollution; Alcohol — Physiological effects; Baths and bathing; Beauty, Personal; Bible — Medicine, hygiene, etc.; Children — Care and hygiene; Cleanliness; Climate; Clothing; Diet; Disinfection and disinfectants; Dress reform; Dust; Exercise; Fatigue; Food; Food adulteration and inspection; Gymnastics; Health resorts; Humidity; Hygiene, Public; Invalids; Longevity; Medical inspection of schools; Medicine; Mental hygiene; Military hygiene; Mind and body; Narcotic habit; Narcotics; Naval hygiene; Nurses and nursing; Occupations — Diseases and hygiene; Open-air schools; Overwork; Pathology; Physical education; Physiology; Rest; Sanitation; School hygiene; Sleep; Stimulants; Temperance; Therapeutics; Tobacco — Physiological effects; Training; Tropics — Diseases and hygiene; Vacations; Ventilation; Voice; Water pollution; Women — Hygiene; Work

Refer from Biology; Food; Health (s); Life; Man; Medicine; Pathology; Physiology; Sanitary science (s); Sanitation; Women — Hygiene

——Domestic, *see* Sanitation, Household
——Industrial, *see* Occupations — Diseases and hygiene
——Mental, *see* Mental hygiene
——Military, *see* Military hygiene
——Naval, *see* Naval hygiene
——**Public**

See also Adulterations; Building laws; Burial; Cemeteries; Consumers' leagues; Contagion and contagious diseases; Cremation; Disinfection and disinfectants; Epidemics; Food adulteration and inspection; Health boards; Hospitals; Housing problem; Immunity; Inoculation; Insects as carriers of contagion; Malaria; Meat inspection; Medical inspection of schools; Military hygiene; Milk supply; Nuisances; Occupations — Diseases and hygiene; Public comfort stations; Quarantine; Refuse and refuse disposal; Sanitary engineering; Sanitation; School hygiene; Sewage; Slaughtering and slaughterhouses; Street cleaning; Tenement houses; Vaccination; Water pollution; Water supply; *also* names of countries and states, subhead Sanitary affairs, and names of

Refer from Health boards; Hygiene; Medicine; Municipal improvement; Public health (s); Quarantine; Sanitary affairs (s); Sanitary engineering; Sanitation; Social problems

Hygiene — Continued
cities, subheads Sanitary affairs and Sewerage
——Tropical, *see* Tropics — Diseases and hygiene
Hygiene of employment *see* Occupations — Diseases and hygiene
Hygrometry

Refer from Air; Humidity; Meteorology; Psychrometer (s)

Hymenoptera
See also Ants; Bees; Insects; Wasps

Refer from Ants; Bees; Insects; Wasps

Hymnology *see* Hymns
Hymns
See also Church music; Religious poetry

Refer from Anthems; Chants; Church music; Devotional exercises; Hymnology (s); Literature; Liturgies; Lyric poetry; Music; Poetry; Psalmody (s); Religion; Religious poetry; Rites and ceremonies; Sacred poetry (s); Songs; Worship

Hyperspace *see* Fourth dimension
Hypnotism
See also Animal magnetism; Mental healing; Mind and body; Psychical research; Somnambulism; Subconsciousness; Suggestion; Suggestive therapeutics

Refer from Animal magnetism; Braidism (s); Clairvoyance; Mental healing; Mental suggestion (s); Mesmerism (s); Mind and body; Mind reading; Psychical research; Psychology; Sleep; Somnambulism; Subconsciousness; Suggestion; Suggestive therapeutics

Hypsometry *see* Altitudes
Hysteria
See also Mental diseases; Nervous system — Diseases

Refer from Medicine — Practice; Mental diseases; Nervous system — Diseases; Psychical research; Psychology; Women — Diseases

Ice
See also Arctic regions; Glaciers; Ice boats; Ice-breaking vessels; Icebergs; Refrigeration and refrigerating machinery; Skating; Water

Refer from Freezing (s); Frost; Glaciers; Meteorology; Physical geography; Refrigeration and refrigerating machinery; Snow; Water

——**Manufacture**
See also Refrigeration and refrigerating machinery

Refer from Artificial ice (s); Ice machinery (s); Ice making (s); Refrigeration and refrigerating machinery

Ice age *see* Glacial period
Ice boats
See also Winter sports

Refer from Boats and boating; Ice; Ice yachts (s); Sports; Winter sports

Ice-breaking vessels

Refer from Ice; Icebreaking vessels (s); Ships

Ice cream *see* Ices
Ice hockey *see* Hockey
Ice machinery *see* Ice — Manufacture; Refrigeration and refrigerating machinery
Ice making *see* Ice — Manufacture
Ice sports *see* Winter sports
Ice yachts *see* Ice boats
Icebergs
See also Arctic regions; Physical geography

Refer from Arctic regions; Glaciers; Ice; Ocean; Physical geography

Icebreaking vessels *see* Ice-breaking vessels
Icelandic language
See also Scandinavian languages

Refer from Germanic languages; Scandinavian languages

Icelandic literature
See also Eddas; Sagas; Scandinavian literature

Refer from Eddas; Norse literature (s); Sagas; Scandinavian literature

Ices

Refer from Confectionery; Desserts; Ice cream (s)

Ichnology *see* Footprints, Fossil
Ichthyology *see* Fish
Iconography *see* Art; Christian art and symbolism; Portraits; Saints in art; Sculpture; Statues
Ideal states *see* Utopias
Idealism
See also Ideals; Realism; Transcendentalism
Refer from Animism; Ideals; Philosophy; Realism
Idealism in art
See also Naturalism in art; Realism in in art; Romanticism
Refer from Art; Esthetics; Naturalism in art; Painting; Realism in art
Idealism in literature
See also Naturalism in literature; Realism in literature; Romanticism; Symbolism in literature
Refer from Esthetics; Fiction; Literature; Naturalism in literature; Realism in literature
Ideals
See also Idealism
Refer from Aspiration (s); Character; Ethics; Idealism
Ideas, Association of, *see* Association of ideas
Identification
See also Anthropometry; Bertillon system; Crime and criminals; Evidence; Finger prints
Refer from Anthropometry; Bertillon system; Crime and criminals; Evidence; Finger prints; Medical jurisprudence
Identity, Personal, *see* Personality
Idiocy
See also Children, Abnormal and backward; Defectives; Epilepsy; Feeble-minded; Insanity
Refer from Brain; Children, Abnormal and backward; Consanguinity; Defectives; Feeble-minded; Fools; Idiots (s); Imbecility (s); Insanity; Medicine — Practice; Mental diseases
Idioms
See also Idioms, English; *also* names of languages other than English, e.g. German language — Idioms
Refer from Language
——**English**
See also Americanisms; Briticisms
Refer from English idioms (s); English language; English language — Idioms (s); Idioms
Idiots *see* Idiocy
Idleness
Refer from Conduct of life; Indolence (s); Laziness (s); Sloth (s)
Ido
Refer from Language, Artificial
Idolatry
See also Fetishism; Paganism; Superstition; Worship
Refer from Fetishism; God; Image worship (s); Paganism; Religion; Religions; Worship
Igneous rocks
See also Dikes (geology); Granite; Lava; Rocks
Refer from Dikes (geology); Eruptive rocks (s); Geology; Lava; Rocks; Volcanic rocks (s); Volcanoes
Ignorance *see* Illiteracy
Illegitimacy
See also Infanticide
Refer from Children; Infanticide; Marriage; Prostitution; Sexual ethics
Illiteracy
See also Education and citizenship; Education and crime
Refer from Compulsory education; Education; Education and citizenship; Education and crime; Ignorance (s); Immigration and emigration
Illuminating gas *see* Gas
Illumination *see* Lighting
Illumination of manuscripts and books
See also Arts and crafts; Initials; Lettering; Missals; Paleography
Refer from Arts and crafts; Books; Decoration and ornament; Illustration of books; Initials; Lettering; Manuscripts; Ornamental alphabets (s); Painting; Paleography

Illusions and hallucinations
See also Apparitions; Conjuring; Ghosts; Insanity; Magic; Mental diseases; Optical illusions; Psychical research

Refer from Apparitions; Delusions (s); Ghosts; Hallucinations (s); Insanity; Mental diseases; Psychical research; Psychology; Visions (s)

Illustration of books
See also Caricature and cartoons; Drawing; Engraving; Extra illustration; Illumination of manuscripts and books; Illustrators; Photo-engraving; Photomechanical processes

Refer from Art; Book illustration (s); Books; Decoration and ornament; Drawing; Engraving

Illustrations (anecdotes) *see* Anecdotes
Illustrators

Refer from Artists; Illustration of books

Image worship *see* Idolatry
Imaginary animals *see* Animal lore; Animals, Mythical
Imaginary islands *see* Geographical myths
Imaginary wars and battles

Refer from Battles; Military art and science; War; Wars, Imaginary (s)

Imagination
See also Psychology

Refer from Fancy (s); Intellect; Psychology; Psychology, Educational

Imbecility *see* Feeble-minded; Idiocy
Imitation
See also Mimicry

Refer from Mimicry; Psychology; Psychology, Educational

Immaculate conception
See also Mary, Virgin

Refer from Catholic church; Mary, Virgin

Immersion, Baptismal, *see* Baptism
Immigrants *see* Immigration and emigration
Immigration and emigration
See also Aliens; Anthropogeography; Colonies and colonization; Illiteracy; Migration of nations; Naturalization; *also* names of special nationalities, e.g. Italians in the U. S., Japanese in California; and names of countries and cities, subhead Foreign population

Refer from Colonies and colonization; Emigration (s); Government; Immigrants (s); Labor and laboring classes; Migration of nations; Race problems; Social problems; Sociology

——**U. S.**
See also Indentured servants; Race problems — U. S.; Redemptioners; U. S. — Foreign population; *also* Japanese in the U. S., and similar headings

Refer from Race problems — U. S.; U. S. — Economic conditions; U. S. — Emigration and immigration (s); U. S. — Immigration (s); U. S. — Social conditions

Immoral literature *see* Literature, Immoral
Immorality *see* Crime and criminals; Ethics; Vice
Immortality *see* Future life
Immunity
See also Antitoxins; Contagion and contagious diseases; Inoculation; Serum therapy; Vaccination

Refer from Antitoxins; Bacteriology; Contagion and contagious diseases; Hygiene, Public; Inoculation; Pathology; Serum therapy; Vaccination

Impeachment
See also Political offenses; Recall

Refer from Government; Law; Trials

Imperial federation
See also England — Colonies; Imperialism

Refer from England — Colonies; Federation, Imperial (s); Government; Imperialism

Imperialism
See also Colonies and colonization; Imperial federation; U. S. — Insular possessions

Refer from Anti-imperialism (s); Caesarism (s); Colonies and colonization; Government; Imperial federation; U. S. — Expansion (s); U. S. — History — War with Spain; U. S. — Insular possessions; U. S. — Territorial expansion (s)

Impersonation *see* Acting; Monologues

Implements, utensils, etc.
See also Bone implements; Farm implements and machinery; Indians — Implements and weapons; Stone implements; Tools

Refer from Industrial arts; Tools; Utensils (s)

Imports *see* Commerce; Tariff

Imposture
See also Antiques, Forged; Art forgeries; Counterfeits; Forgery; Fraud; Literary forgeries and mystifications; Quacks and quackery; Swindlers and swindling

Refer from Adventurers (s); Counterfeits; Delusions (s); Fraud; Hoaxes (s); Humbug (s); Quacks and quackery

Impressionism (art)

Refer from Art; Esthetics; Painting

Impressment

Refer from International law; Kidnapping; Maritime law; Naval history; Sailors

Imprisonment *see* Arrest; Prisons

Inaugurations

Refer from Presidents — U. S.; Rites and ceremonies

Incandescent gas-lighting
See also Gas lighting

Refer from Gas; Gas lighting; Gas mantles (s); Incandescent lighting (s); Incandescent mantles (s); Lighting

Incandescent lamps *see* Electric lamps

Incandescent lighting *see* Electric lighting; Incandescent gas-lighting

Incandescent mantles *see* Incandescent gas-lighting

Incarnation
See also Jesus Christ

Refer from Jesus Christ; Jesus Christ — Birth; Jesus Christ — Incarnation (s); Theology

Incas
See also Indians of South America — Peru; Peru — Antiquities; Peru — History

Refer from Ethnology — Peru; Indians of South America — Peru; Peru — Antiquities; Peru — History

Incense

Refer from Odors; Perfumery; Worship

Income
See also Capital; Finance; Salaries; Wages; Wealth

Refer from Economics; Finance; Fortunes (s); Property; Salaries; Wages; Wealth

Income tax
See also Taxation; Taxation, Progressive

Refer from Direct taxation (s); Taxation; Taxation, Progressive

Increment, Unearned, *see* Unearned increment

Incrustation *see* Inlay

Incubators
See also Poultry

Refer from Poultry

Incubus *see* Nightmare

Incumbrances *see* Liens; Mortgages

Incunabula
See also Block books; Book rarities; Colophons; Printers' marks; Printing — History

Refer from Bibliography; Book rarities; Printing

Indemnity
See also Damages

Refer from Compensation (s); Damages; International law

Indentured servants
See also Apprentices; Contract labor; Redemptioners

Refer from Bond servants (s); Contract labor; Immigration and emigration — U. S.; Redemptioners; Servants; Slavery; U. S. — History — Colonial period

Independence day *see* Fourth of July

Independent order of Odd Fellows *see* Odd Fellows

Independents (church polity) *see* Congregationalism

Independents (in politics)

Refer from Political parties; Politics

Indeterminate sentence
See also Parole; Prisons; Probation system

Refer from Crime and criminals; Criminal law; Prisons; Punishment; Sentence, Indeterminate (s)

Indeterminism *see* Freedom of the will

Indexes
See also Card system in business; Catalogs; Indexing; Periodicals — Indexes; *also* subjects indexed

Refer from Bibliography; Catalogs; Indices (s); Literature

Indexing
See also Cataloging

Refer from Bibliography; Cataloging; Indexes

India-rubber *see* Rubber

Indian clubs
See also Gymnastics

Refer from Gymnastics; Physical education

Indian corn *see* Corn

Indian legends *see* Indians — Folklore; Indians — Legends

Indian mutiny, 1857–1858

Refer from India — History; Sepoy rebellion (s)

Indian reservations *see* Indians — Reservations

Indian trails
See also Oregon trail; Portages; Salt Lake trail; Santa Fé trail

Refer from Indians — Trails (s); Portages; Roads; Roads — U. S.; Trails (s)

Indian tribes *see* names of separate tribes

Indian wars *see* Indians — Wars

Indians [Indians of America, North America and the U. S. in general]
See also Cliff dwellers and cliff dwellings; Eskimos; Mounds and mound builders; Pueblos; Scalping; Shell money; Wampum; Western states; *also* names of families and tribes of Indians, e.g. Algonquian Indians, Apache Indians, Iroquois Indians, Pueblo Indians

Refer from American aborigines (s); American Indians (s); Amerinds (s); Ethnology; Ethnology — U. S.; North American Indians (s); Race problems — U. S.; Savages; U. S. — Indians (s); Western states

——Amusements, *see* Indians — Games

——**Anecdotes**

Refer from Anecdotes

——**Antiquities**
See also Arrowheads; Indians — Implements and weapons; Indians — Pottery; Kitchen middens; Mounds and mound builders; Pueblos; U. S. — Antiquities

Refer from Archaeology; Arrowheads; Indians — Industries; Mounds and mound builders; U. S. — Antiquities

——**Art**

Refer from Art; Art, Primitive

——**Biography**

Refer from Biography

——Burial, *see* Indians — Mortuary customs

——**Captivities**

Refer from Captivity among the Indians (s); Frontier and pioneer life

——**Civilization**

——Customs, *see* Indians — Social life and customs

——**Dances**
See also Ghost dance; Snake dance; Sun dance

Refer from Dancing; Ghost dance; Indians — Religion; Indians — Social life and customs; Snake dance; Sun dance

——**Education**
See also Indians — Government relations; *also* names of schools for the Indians

Refer from Education; Indians — Missions; Indians — Schools (s)

——**Ethnology**
See also Indians — Origin

Refer from Ethnology — U. S.; Indians — Origin

——**Fiction**

——**Folklore**
See also Indians — Legends

Refer from Folklore — Indians (s); Indian legends (s); Indians — Legends; Indians — Mythology (s)

Indians — Continued

——**Games**

Refer from Games; Indians — Amusements (s); Indians — Social life and customs; Indians — Sports (s)

——**Government relations**

See also Indians — Land transfers; Indians — Reservations; Indians — Treaties; Indians — Treatment

Refer from Indians — Education; Indians — Land transfers; Indians — Treaties; Indians — Treatment

——**History**

See also Indians — Wars

——**Implements and weapons**

See also Bone implements; Stone implements

Refer from Arms and armor; Bone implements; Implements, utensils, etc.; Indians — Antiquities; Indians — Industries; Indians — Weapons (s); Stone implements; Tools; Weapons (s)

——**Industries**

See also Basketwork; Beadwork; Blankets; Indians — Antiquities; Indians — Implements and weapons; Indians — Pottery

Refer from Basketwork; Beadwork; Blankets; Industrial arts; Industries, Primitive

——**Land transfers**

See also Indians — Government relations; Indians — Treaties

Refer from Indians — Government relations; Indians — Treaties; U. S. — Public lands

——**Languages**

See also Algonquian languages; Chinook jargon; Eskimo language; Indians — Names

Refer from Algonquian languages; Language

——**Legends**

See also Indians — Folklore

Refer from Indian legends (s); Indians — Folklore; Indians — Mythology (s); Legends

——Manners and customs, *see* Indians — Social life and customs

——**Medicine**

See also Medicine men

Refer from Medicine; Medicine men

——**Missions**

See also Indians — Education; Jesuits — Missions

Refer from Catholic church — Missions; Indians — Religion; Jesuits — Missions; Missions; Missions, Home

——**Mortuary customs**

Refer from Funeral rites and ceremonies; Indians — Burial (s); Indians — Social life and customs; Mortuary customs (s)

——**Music**

Refer from Indians — Songs (s); Music; Music — Indians (s); Music — U. S.; Songs, American

——Mythology, *see* Indians — Folklore; Indians — Legends; Indians — Religion

——**Names**

Refer from Indians — Languages; Names; Names, Geographical; Names, Personal

——**Origin**

See also Indians — Ethnology

Refer from Indians — Ethnology

——**Pottery**

Refer from Indians — Antiquities; Indians — Industries; Pottery

——**Religion**

See also Fetishism; Flute ceremonies; Indians — Dances; Indians — Missions; Serpent worship; Totems and totemism

Refer from Indians — Mythology (s); Mythology — Indians (s); Religions; Rites and ceremonies

——**Reservations**

Refer from Indian reservations (s); Indians — Government relations; Reservations for the Indians (s); U. S. — Public lands

——Schools, *see* Indians — Education; *also* names of schools

——**Social life and customs**

See also Indians — Dances; Indians — Games; Indians — Mortuary customs

Refer from Indians — Customs (s); Indians — Manners and customs (s)

Indians — Continued
——Songs, *see* Indians — Music
——Sports, *see* Indians — Games
——**Statistics**
——Trails, *see* Indian trails
——**Treaties**
See also Indians — Government relations; Indians — Land transfers
——**Treatment**
See also Indians — Government relations
——**Wars**
See also Black Hawk war; French and Indian war; King Philip's war; King William's war; Pequot war; Pontiac's conspiracy; Queen Anne's war; U. S. — History — Revolution — Indian participation
——Weapons, *see* Indians — Implements and weapons

Refer from Indians — Government relations; Indians — Land transfers

Refer from Indians — Government relations

Refer from Black Hawk war; French and Indian war; Indian wars (s); King Philip's war; King William's war; New England — History; Pequot war; Pontiac's conspiracy; Queen Anne's war; U. S. — History; U. S. — History, Military

Indians of Mexico
See also Aztecs; Ethnology — Mexico; Mayas; Nagualism; Toltecs

Refer from Aztecs; Ethnology — Mexico; Mayas; Toltecs

Indians of New York
See also Iroquois Indians

Refer from Iroquois Indians

Indians of South America
Indiarubber *see* Rubber
Indic languages *see* Indo-Aryan languages
Indicators for steam engines
See also Steam engines

Refer from Steam engines

Indices *see* Indexes
Indigestion *see* Digestion; Dyspepsia
Indigo

Refer from Agricultural products; Color; Dyes and dyeing

Individualism
See also Communism; Economics; Socialism

Refer from Communism; Economics; Equality; Government; Socialism; Sociology

Individuality
See also Personality

Refer from Character; Personality; Philosophy; Psychology

Indo-Aryan languages
See also Aryan languages; Bengali language; Hindustani language; Oriental languages; Romany language; Sanskrit language

Refer from Aryan languages; Bengali language; Hindustani language; Indic languages (s); Oriental languages; Sanskrit language

Indo-European languages *see* Aryan languages
Indo-Europeans *see* Aryans
Indo-Germanic languages *see* Aryan languages
Indo-Germanic peoples *see* Aryans
Indolence *see* Idleness
Inductance

Refer from Electric measurement; Electricity; Electrodynamics; Induction coils; Self-induction (s)

Induction (logic) *see* Logic
Induction coils
See also Condensers (electricity); Electric currents, Alternating; Electric transformers; Electromagnets; Inductance; X rays

Refer from Electric apparatus and appliances; Electric transformers; Electricity; Electromagnets

Induction motors *see* Electric motors
Indulgences
See also Absolution; Purgatory

Refer from Absolution; Catholic church; Church polity; Purgatory

Industrial alcohol *see* Alcohol, Denatured
Industrial arbitration *see* Arbitration and conciliation, Industrial

Industrial arts

See also Agriculture; Architecture; Arts and crafts; Blacksmithing; Bookbinding; Brewing; Building; Business; Cabinet work; Canning and preserving; Carpentry; Chair caning; Chemical engineering; Chemistry, Technical; Clay industries; Commerce; Cookery; Domestic arts; Dyes and dyeing; Electric engineering; Engineering; Engraving; Exhibitions; Factories; Fisheries; Floriculture; Foundry work; Furniture; Gardening; Glass manufacture; Handicraft; Home economics; Implements, utensils, etc.; Indians — Industries; Industrial education; Industries, Primitive; Industry; Inventions; Machine shop practice; Machinery; Manual training; Manufactures; Masonry; Mechanical engineering; Mechanics, Applied; Metal work; Metallurgy; Mills and millwork; Occupations, Dangerous; Painting, Mechanical; Patents; Photography; Plumbing; Pottery; Printing; Receipts; Shipbuilding; Tanning; Technical dictionaries; Technical education; Technology; Textile industry and fabrics; Tinsmithing; Tools; Turning; Waste products; Weaving; Woodwork; *also* names of countries, subhead Industries and resources, and names of cities, subhead Industries

Refer from Art; Art industries (s); Arts, Useful (s); Arts and crafts; Chemistry, Technical; Crafts (s); Discoveries (in science) (s); Engineering; Handicraft; Industries (s); Industry; Inventions; Manufactures; Mechanic arts (s); Science; Technology; Trades (s); Useful arts (s)

Industrial betterment

See also Garden cities; Hours of labor; Housing problem; Industrial education; Insurance, Industrial; Labor laws; Profit sharing; Scientific management

Refer from Betterment, Industrial (s); Employees' welfare (s); Employers' welfare institutions (s); Housing problem; Labor and capital; Labor and laboring classes; Profit sharing; Social work; Welfare institutions for laborers (s)

Industrial chemistry *see* Chemical engineering; Chemistry, Technical

Industrial combination *see* Combination, Industrial

Industrial conciliation *see* Arbitration and conciliation, Industrial

Industrial depression *see* Business depression

Industrial diseases *see* Occupations — Diseases and hygiene

Industrial drawing *see* Mechanical drawing

Industrial education

See also Apprentices; Foremen's schools; Manual training; Mechanics' institutes; Technical education; Trade schools; Vocational education

Refer from Education; Education, Elementary; Education, Industrial (s); Industrial arts; Industrial betterment; Industrial schools (s); Labor and laboring classes; Manual training; Technical education; Trade schools; Vocational education

Industrial efficiency *see* Efficiency, Industrial

Industrial exhibitions *see* Exhibitions

Industrial hygiene *see* Occupations — Diseases and hygiene

Industrial insurance *see* Insurance, Industrial

Industrial schools *see* Industrial education; Reformatories

Industries *see* Industrial arts; Industries, Primitive; Industry; *also* names of countries and states, subhead Industries and resources, and names of cities, subhead Industries

Industries, Primitive
See also Archaeology; Civilization, Ancient; Indians — Industries; Pottery; Society, Primitive; Stone implements

Refer from Archaeology; Civilization, Ancient; Ethnology; Industrial arts; Industries (s); Man — Origin and antiquity; Primitive industries (s); Society, Primitive; Stone implements

Industry
See also Economics; Efficiency, Industrial; Factory system; Government regulation of industry; Home labor; Industrial arts; Labor and laboring classes; Machinery in industry

Refer from Civilization; Consumption (economics); Economics; Industrial arts; Industries (s); Labor and capital; Labor and laboring classes; Production (s); Sociology

Inebriate asylums
See also Gold cure

Refer from Alcoholism; Asylums; Charities, Medical; Drunkenness (s); Hospitals; Inebriates (s)

Inebriates *see* Alcoholism; Inebriate asylums; Liquor problem; Temperance

Infallibility
See also Catholic church — Authority; Popes — Infallibility; Vatican council

Refer from Catholic church; Theology; Vatican council

Infancy *see* Infants

Infant baptism *see* Baptism — Infants

Infant feeding *see* Infants — Care and hygiene

Infant salvation
See also Baptism — Infants; Predestination

Refer from Baptism — Infants; Salvation

Infanticide
See also Illegitimacy

Refer from Crime and criminals; Illegitimacy; Medical jurisprudence; Murder; Women — Crime

Infantry
See also Infantry drill and tactics; Military art and science; *also* under country, e.g. U. S.— Army — Infantry. For volunteer regiments in the U. S. *see* under name of state, e.g. New York infantry; *also* United States volunteer infantry, for volunteer regiments recruited at large

Refer from Foot-soldiers (s); Military art and science

Infantry drill and tactics
See also Rifle practice; Tactics; Target practice

Refer from Drill (military); Infantry; Military art and science; Tactics

Infants
See also Children

Refer from Babies (s); Baby (s); Children; Infancy (s)

——Care and hygiene
See also Children — Care and hygiene

Refer from Children — Care and hygiene; Infant feeding (s)

——Diseases, *see* Children — Diseases

Infection and infectious diseases *see* Contagion and contagious diseases

Infidelity *see* Skepticism

Infinite
See also Being; Metaphysics

Refer from Finite (s); Metaphysics; Philosophy

Infinitesimal calculus *see* Calculus

Infirmaries *see* Hospitals

Inflammation
See also Fever; Suppuration

Refer from Pathology; Suppuration

Influenza
See also Cold (disease); Respiratory organs — Diseases

Refer from Cold (disease); Grippe (s); La grippe (s); Medicine — Practice; Respiratory organs — Diseases

Infusoria
See also Protozoa

Refer from Animalcules; Protozoa

Inheritance
See also Administrators and executors; Entail; Estates, Unclaimed; Guardians; Inheritance and transfer tax; Land tenure; Legacies; Primogeniture; Probate law and practice; Salic law; Survivorship; Trustees; Wills

Refer from Bequests (s); Heirs (s); Intestate succession (s); Law; Legacies; Primogeniture; Probate law and practice; Property; Succession (s); Wills

Inheritance (biology) *see* Heredity

Inheritance and transfer tax
See also Taxation; Taxation, Progressive

Refer from Death duties (s); Inheritance; Legacies; Taxation; Taxation, Progressive; Transfer tax (s)

Inhibition
See also Habit

Refer from Habit; Mind and body; Nervous system; Psychology, Physiological

Initials
See also Artists' marks; Illumination of manuscripts and books; Lettering; Monograms

Refer from Illumination of manuscripts and books; Monograms

Initiative *see* Referendum

Injectors
See also Boilers

Refer from Boilers; Feed water; Steam engines; Steam injectors (s)

Injunctions

Refer from Actions at law; Constitutional law; Labor laws; Law

Injuries *see* Accidents; Damages; First aid in illness and injury; Torts; Wounds

Injurious insects *see* Insects, Injurious and beneficial

Injurious occupations *see* Occupations, Dangerous

Ink

Refer from Chemistry, Technical; Printing; Stationery; Writing

Inland navigation
See also Canals; Ferries; Lakes; Pilots and pilotage; Rivers; Steam navigation; Waterways

Refer from Canals; Commerce; Hydrography; Lakes; Navigation; Navigation, Inland (s); Rivers; Transportation; Waterways

Inlay
See also Arts and crafts; Damaskeening; Mosaics

Refer from Arts and crafts; Buhlwork (s); Decoration and ornament; Incrustation (s); Inlaying (s); Intarsia (s); Marquetry (s); Mosaics

Inlaying *see* Inlay

Inns
See also Coffeehouses; Hotels

Refer from Hotels; Taverns (s)

Innuit *see* Eskimos

Inoculation
See also Immunity; Pasteurism; Serum therapy; Smallpox; Vaccination

Refer from Contagion and contagious diseases; Hygiene, Public; Immunity; Medicine; Serum therapy; Smallpox; Therapeutics; Vaccination

Inoculation of soils *see* Soil inoculation

Inorganic chemistry *see* Chemistry, Inorganic

Inquests, Coroners', *see* Coroners

Inquisition
See also Martyrs; Persecution; Reformation — Spain; Spain — Religious history; Torture

Refer from Catholic church; Church discipline; Church history; Fanaticism; Heresy; Holy office (s); Martyrs; Middle ages; Persecution; Reformation — Spain; Spain — Religious history; Spanish inquisition (s); Torture

Insane hospitals
See also names of cities, subhead Hospitals and asylums

Refer from Asylums; Charities; Charities, Medical; Hospitals; Insanity; Lunatic asylums (s); Psychopathic hospitals (s)

Insanity
See also Brain; Defectives; Degeneration; Eccentricity; Feeble-minded; Genius; Id-

Refer from Aberration, Mental (s); Brain; Consanguinity; Defectives; Degeneration;

iocy; Illusions and hallucinations; Insane hospitals; Medical jurisprudence; Mental diseases; Mind and body; Suicide

Dementia (s); Idiocy; Illusions and hallucinations; Intellect; Lunacy (s); Madness (s); Mania (s); Medical jurisprudence; Medicine — Practice; Mental aberration (s); Mental derangements (s); Mental diseases; Mind and body; Psychology

Inscriptions
See also Alphabet; Brasses; Cuneiform writing; Epitaphs; Hieroglyphics; Manuscripts; Obituaries; Paleography; Picture writing; Runes; Seals (numismatics); Writing

Refer from Alphabet; Archaeology; Epigraphy (s); Epitaphs; Hieroglyphics; History, Ancient; Literature; Manuscripts; Monuments; Obituaries; Paleography; Writing

Insecticides
See also Insects, Injurious and beneficial; Spraying

Refer from Insects; Insects, Injurious and beneficial; Spraying

Insectivora
See also Mammals

Refer from Mammals

Insectivorous plants
See also Botany; Botany — Physiology

Refer from Botany; Botany — Physiology; Carnivorous plants (s); Plants; Plants, Insectivorous (s)

Insects
See also Arthropoda; Beetles; Caterpillars; Cocoons; Color of insects; Diptera; Entomologists; Fertilization of plants; Hemiptera; Hymenoptera; Insecticides; Lepidoptera; Neuroptera; Orthoptera; Wings; *also* names of insects

Refer from Animals; Arthropoda; Beetles; Bugs (s); Diptera; Entomology (s); Hemiptera; Hymenoptera; Invertebrates; Lepidoptera; Neuroptera; Orthoptera; Zoology

——Aquatic

Refer from Aquatic insects (s); Fresh-water fauna; Water insects (s)

——Fossil

Refer from Fossil insects (s); Invertebrates, Fossil; Paleontology

——Injurious and beneficial
See also Agricultural pests; Cotton — Diseases and pests; Fruit — Diseases and pests; Household pests; Insecticides; Insects as carriers of contagion; Parasites; Spraying; Trees — Diseases and pests; *also* names of insects, e.g. Beetles, Bookworms, Chinch bugs, Cicadas, Cutworms, Hessian flies, Locusts, Mosquitoes, Moths, Plant lice, San José scale, Scale insects Weevils

Refer from Agricultural pests; Agriculture; Economic entomology (s); Entomology, Economic (s); Fruit — Diseases and pests; Gardening; Household pests; Injurious insects (s); Insecticides; Parasites; Pests (s); Trees — Diseases and pests; Zoology, Economic

——U. S.

Refer from U. S.— Entomology (s); U. S.— Insects (s); Zoology — U. S.

Insects as carriers of contagion
See also Flies; Mosquitoes; Sleeping sickness; Tsetse flies; Yellow fever

Refer from Contagion and contagious diseases; Flies; Hygiene, Public; Insects, Injurious and beneficial; Mosquitoes; Tsetse flies

Insignia
See also Decorations of honor; Devices; Regalia

Refer from Badges of honor (s); Decorations of honor; Devices; Emblems; Heraldry; Regalia; Societies

Insolvency *see* Bankruptcy

Insomnia
See also Narcotics; Sleep

Refer from Medicine — Practice; Sleep; Sleeplessness (s)

Inspection of factories *see* Factory inspection

Inspection of food *see* Food adulteration and inspection

Inspection of meat *see* Meat inspection

Inspection of steamboats *see* Steamboat inspection

Inspiration
See also Bible — Inspiration; Revelation

Refer from Revelation; Supernatural; Theology

Instalment plan
Refer from Business; Credit

Instinct
See also Animal intelligence; Animals — Habits and behavior; Habit; Orientation; Psychology, Comparative

Refer from Animal instinct (s); Animal intelligence; Animals; Animals — Habits and behavior; Habit; Intelligence of animals (s); Psychology; Psychology, Comparative; Reason; Zoology

Institutes, Farmers', *see* Farmers' institutes
Institutes, Teachers', *see* Teachers' institutes

Institutional churches
See also Church work

Refer from Christian sociology; Church; Church, Institutional (s); Church work

Institutions, Charitable and philanthropic, *see* Almshouses; Asylums; Charities; Hospitals; *also* names of cities, subheads Charities and Hospitals and asylums; and special classes of people, e.g. Deaf and dumb — Asylums and education
Instruction *see* Education; Teaching

Instrumental music
See also Bands (music); Chamber music; Dance music; Duets, Instrumental; Marches (music); Military music; Music; Musical instruments; Orchestral music; Orchestras; Organ music; Overtures; Piano music; Program music; Sonatas; Symphonies; Violin music

Refer from Music; Musical instruments; Orchestral music; Piano music

Instrumentation and orchestration
See also Musical instruments

Refer from Bands (music); Composition (music); Military music; Music; Music — Instruction and study; Musical instruments; Orchestral music; Orchestration (s)

Instruments
See also Astronomical instruments; Drawing instruments; Electric apparatus and appliances; Machinery; Mathematical instruments; Meteorological instruments; Musical instruments; Optical instruments; Scientific apparatus and instruments; Surgical instruments; Surveying instruments; Tools

Refer from Apparatus (s); Scientific apparatus and instruments

Insulation
See also Electric cables; Electric resistance; Electric wire and wiring

Refer from Electric cables; Electric insulation (s); Electric resistance; Electric wire and wiring; Electricity

Insurance
See also Benefit societies

Refer from Appraising; Assurance (s); Commerce; Commercial law; Contracts; Finance; Investments; Law; Probabilities; Property; Sociology; Thrift

——Accident
See also Employers' liability; Insurance, Casualty; Insurance, Industrial

Refer from Accident insurance (s); Accidents; Employers' liability; Insurance, Industrial; Workingmen's insurance (s)

——Casualty

Refer from Casualty insurance (s); Explosions; Floods; Insurance, Accident; Live stock; Storms

——Compulsory, *see* Insurance, State and compulsory

——Fire
See also Fireproofing

Refer from Fire insurance (s); Fires

——Fraternal, *see* Benefit societies

——Health
See also Insurance, State and compulsory

Refer from Health insurance (s); Insurance, Sickness (s)

Insurance — Continued

——**Industrial**
See also Benefit societies; Employers' liability; Insurance, Accident; Insurance, State and compulsory

Refer from Benefit societies; Industrial betterment; Industrial insurance (s); Insurance, Accident; Insurance, Life; Insurance, State and compulsory; Insurance, Workingmen's (s); Labor and laboring classes; Thrift; Workingmen's insurance (s)

——**Life**
See also Annuities; Benefit societies; Insurance, Industrial; Insurance, State and compulsory

Refer from Annuities; Benefit societies; Life insurance (s)

——**Marine**
See also Salvage

Refer from Marine insurance (s); Maritime law

——Sickness, *see* Insurance, Health

——**State and compulsory**
See also Insurance, Industrial; Old age pensions

Refer from Compulsory insurance (s); Insurance, Compulsory (s); Insurance, Health; Insurance, Industrial; Insurance, Life; Insurance, Workingmen's (s); Workingmen's insurance (s)

——Workingmen's, *see* Insurance, Industrial; Insurance, State and compulsory

Intaglios
See also Gems; Seals (numismatics)

Refer from Gems

Intarsia *see* Inlay

Integral calculus *see* Calculus

Intellect
See also Animal intelligence; Belief; Brain; Certainty; Genius; Imagination; Insanity; Judgment; Knowledge; Logic; Memory; Perception; Psychology; Psychology, Comparative; Reason; Senses and sensation; Talent; Thought and thinking

Refer from Brain; Intelligence (s); Knowledge; Mind (s); Philosophy; Psychology; Thought and thinking; Understanding (s)

Intellectual property *see* Copyright; Inventions; Patents

Intelligence *see* Intellect

Intelligence of animals *see* Animal intelligence; Instinct; Psychology, Comparative

Intelligence offices *see* Employment agencies; Labor exchanges

Intemperance *see* Alcoholism; Liquor problem; Temperance

Intercollegiate athletics *see* College athletics

Interdict
See also Excommunication

Refer from Catholic church; Church discipline; Church polity; Excommunication

Interest
See also Arithmetic; Banks and banking; Discount; Interest tables; Investments

Refer from Arithmetic; Arithmetic, Commercial; Banks and banking; Capital; Commerce; Discount; Economics; Ethics; Finance; Investments; Loans; Money; Negotiable instruments; Profit; Usury (s)

Interest (psychology)

Refer from Psychology, Educational

Interest tables

Refer from Interest; Mathematics — Tables, etc.; Tables, Interest (s)

Interference (light)
See also Electric waves; Light

Refer from Light; Optical interference (s)

Interior decoration *see* Church decoration and ornament; Furniture; House decoration

Intermediate state *see* Future life; Purgatory

Interment *see* Burial

Internal combustion engines *see* Gas and oil engines

Internal revenue *see* Internal revenue laws; Stamp duties; Taxation; *also* names of countries, subhead Revenue

Internal revenue laws

Refer from Excise laws (s); Finance; Internal revenue (s); Liquor laws; Taxation; U. S.— Revenue

International arbitration *see* Arbitration, International

International copyright *see* Copyright

International exchange *see* Foreign exchange

International exhibitions *see* Exhibitions

International language *see* Language, Artificial; Language, Universal

International law

See also Aliens; Allegiance; Arbitration, International; Asylum, Right of; Blockade; Boundaries; Cables, Submarine; Citizenship; Claims; Confiscation; Consuls; Contraband of war; Diplomacy; Diplomatic and consular service; Drago doctrine; Embargo laws; Exterritoriality; Extradition; Guerrillas; Impressment; Indemnity; International relations; Intervention; Jurisdiction; Maritime law; Military law; Monroe doctrine; Natural law; Naturalization; Neutrality; Passports; Peace; Pirates; Political offenses; Privateering; Prizes (international law); Recognition (international law); Red cross; Salvage; Search, Right of; Sovereignty; State ethics; Treaties; War

Refer from Arbitration, International; Blockade; Commerce; Diplomacy; Diplomatic and consular service; International relations; Jurisdiction; Law; Law of nations (s); Maritime law; Military law; Ministers of state; Nations, Law of (s); Natural law; Neutrality; Treaties; War

International marriages *see* Marriages, International

International politics *see* International relations

International relations

See also Ambassadors; Arbitration, International; Balance of power; Consuls; Diplomacy; Diplomatic and consular service; Diplomatic memoirs; Diplomats; Disarmament; Eastern question; Frontiers; Holy alliance; International law; Militarism; Monroe doctrine; Peace; Race problems; Sea power; State ethics; Treaties; Triple alliance, 1883–; War; *also* names of countries, subhead Foreign relations

Refer from Balance of power; Diplomacy; Diplomatic and consular service; Disarmament; Foreign relations (s); History; International law; International politics (s); Internationalism (s); Ministers of state; Peace; Politics; Race problems; Treaties; War; World politics (s)

Internationalism *see* International relations

Interoceanic canals *see* Ship canals

Interstate commerce

See also Railroads — Rates; Railroads — U. S.; Railroads and state; Restraint of trade; Transportation

Refer from Carriers; Commerce; Government regulation of industry; Railroads — Law; Railroads — Rates; Railroads and state; Restraint of trade; U. S.— Commerce

Interurban railroads *see* Electric railroads

Intervention

See also Holy alliance; Monroe doctrine

Refer from Holy alliance; International law; Monroe doctrine; War

Interviewing *see* Journalism; Reporting

Intestate succession *see* Inheritance

Intestines

See also Appendicitis; Digestive system; Viscera

Refer from Abdomen; Digestive system; Viscera

Intolerance *see* Fanaticism; Liberty of conscience; Religious liberty

Intoxicants *see* Alcohol; Liquors; Stimulants

Intoxication *see* Alcoholism; Liquor problem; Temperance

Intuition
See also Psychology
Inundations *see* Floods
Invalid cookery *see* Cookery for the sick
Invalids
See also Diet; Health resorts; Nurses and nursing
Invasions of Rome, Barbarian, *see* Barbarian invasions of Rome
Inventions
See also Industrial arts; Inventors; Patents

Inventors
See also Inventions

Invertebrates
See also Arthropoda; Brachiopoda; Coelenterata; Crustacea; Echinodermata; Insects; Mollusks; Polyzoa; Protozoa; Sponges; Worms; Zoology
——**Fossil**
See also Insects, Fossil; Mollusks, Fossil
Investments
See also Annuities; Banks and banking; Bonds; Building and loan associations; Insurance; Interest; Loans; Mortgages; Railroads — Finance; Real estate; Real estate business; Securities; Speculation; Stocks; Thrift
Invisible empire *see* Ku-Klux Klan
Ionization of gases
See also Electric discharges through gases; Ions; Radioactivity

Ionized air *see* Ionization of gases
Ions
See also Dissociation; Electric discharges through gases; Electrochemistry; Electrolysis; Electrolytes; Electrons; Ionization of gases; Solution (chemistry)

Iranian languages
See also Aryan languages; Oriental languages; Persian language

Iranic languages *see* Iranian languages
Irish ballads *see* Ballads, Irish
Irish in the U. S.
See also Scotch-Irish in the U. S.
Irish land question *see* Land tenure — Ireland
Irish language
See also Celtic languages; Gaelic language
Irish literature (Celtic)
See also Celtic literature; Gaelic literature
Irish literature (English)
See also Ballads, Irish; English literature; Irish poetry
Irish poetry
See also Ballads, Irish; Irish literature; Songs, Irish
Irish songs *see* Ballads, Irish; Songs, Irish
Iron
See also Annealing; Blast furnaces; Cast iron; Corrosion and anti-corrosives; Foun-

Refer from Knowledge; Psychology

Refer from Hygiene; Medicine; Nurses and nursing; Sick, The (s)

Refer from Civilization; Discoveries (in science) (s); Industrial arts; Intellectual property (s); Inventors; Machinery; Patents; Property, Intellectual (s); Science

Refer from Biography; Discoverers (s); Inventions; Scientists

Refer from Arthropoda; Brachiopoda; Coelenterata; Echinodermata; Mollusks; Polyzoa; Protozoa; Sponges; Worms; Zoology

Refer from Paleontology

Refer from Bonds; Capital; Corporations; Economics; Finance; Interest; Loans; Money; Mortgages; Negotiable instruments; Securities; Speculation; Stocks; Thrift

Refer from Air; Atmospheric nucleation; Electric discharges through gases; Electricity; Gases; Ionized air (s); Ions; Radioactivity

Refer from Atoms; Chemistry; Chemistry, Physical; Dissociation; Electricity; Electrochemistry; Electrolysis; Electrolytes; Electrons; Ionization of gases; Matter; Solution (chemistry); X rays

Refer from Aryan languages; Iranic languages (s); Oriental languages; Persian language

Refer from U. S.— Foreign population

Refer from Celtic languages; Erse (s); Gaelic language
Refer from Celtic literature; Gaelic literature

Refer from British literature (s); English literature; Irish poetry

Refer from Ballads, Irish; British poetry (s); English poetry; Irish literature

Refer from Annealing; Building materials; Cast iron; Metallography; Metals; Steel

dry work; Galvanizing; Hardware; Iron age; Iron industry; Iron mines and mining; Iron ores; Ironwork; Metallography; Metals; Slag; Steel; Tubes; Wrought iron

Iron age
See also Archaeology — *Refer from* Archaeology; Iron

Iron-clad vessels *see* Armored vessels
Iron founding *see* Foundry work

Iron industry
See also Foundry work; Iron mines and mining; Rolling mills; Steel industry; Stoves — *Refer from* Iron; Iron trade (s); Ironwork; Manufactures; Rolling mills; Steel industry

Iron Mask — *Refer from* France — History — Bourbons; Man with the iron mask (s)

Iron mines and mining
See also Iron ores — *Refer from* Iron; Iron industry; Iron ores; Mines and mineral resources

Iron ores
See also Iron mines and mining; Lodestone — *Refer from* Iron; Iron mines and mining; Ore deposits; Ores

Iron trade *see* Iron industry
Iron work *see* Ironwork
Ironclads *see* Armored vessels

Ironwork
See also Arts and crafts; Blacksmithing; Forging; Grilles; Iron industry; Metal coloring; Metal work; Railings; Welding; Wrought iron — *Refer from* Arts and crafts; Blacksmithing; Decoration and ornament; Forge work (s); Forging; Grilles; Iron; Iron work (s); Metal work; Wrought iron; Wrought iron work (s)

Irony — *Refer from* Humor; Rhetoric; Satire

Iroquois Indians
See also Indians of New York; Sullivan's expedition — *Refer from* Five nations (s); Indians; Indians of New York; Six nations (s)

Irrigation
See also Alkali lands; Civil engineering; Dams; Drainage; Dry farming; Irrigation canals; Reclamation of land; Reservoirs; Water rights; Windmills — *Refer from* Agriculture; Civil engineering; Dams; Drainage; Engineering; Hydraulic engineering; Reclamation of land; Reservoirs; Soils; Water supply

Irrigation canals
See also Flumes — *Refer from* Canals; Flumes; Irrigation

Irritability
See also Heliotropism; Plants — Movements — *Refer from* Animals — Habits and behavior; Animals — Irritability (s); Biology; Heliotropism; Movements of animals (s); Plants — Movements

Irvingites *see* Catholic apostolic church
Isinglass *see* Gelatin; Mica
Islam *see* Mohammedanism

Islands
See also Corals and coral islands; Physical geography — *Refer from* Geography; Physical geography

——Imaginary, *see* Geographical myths

Islands of the Mediterranean — *Refer from* Mediterranean Sea

Isomerism
See also Stereochemistry — *Refer from* Chemistry, Physical; Stereochemistry

Israelites *see* Jews
Isthmian canal *see* Panama canal

Italian drama
See also Dramatists, Italian; Italian literature; Theater — Italy — *Refer from* Dramatists, Italian; Italian literature; Italian poetry; Theater — Italy

Italian fiction
See also Italian literature — *Refer from* Italian literature

Italian language [subdivided like German language]
See also Romance languages — *Refer from* Romance languages

Italian literature
See also Authors, Italian; Italian drama; Italian fiction; Italian poetry; Romance literature

Refer from Authors, Italian; Italian drama; Italian fiction; Italian poetry; Romance literature

Italian painting *see* Painting, Italian

Italian poetry
See also Italian drama; Italian literature; Poets, Italian

Refer from Italian literature; Poets, Italian

Italians in the U. S.
See also Padrone system

Refer from U. S.— Foreign population

Italy — History
———To 1559
See also Barbarian invasions of Rome; Guelfs and Ghibellines; Rome — History

Refer from Barbarian invasions of Rome; Guelfs and Ghibellines

———1559–1789
See also Austrian succession, War of

Refer from Austrian succession, War of

———1789–1815
See also Napoleonic wars

———1815–
See also Carbonari; Triple alliance, 1883–

Refer from Carbonari

Ivory

Refer from Animal products; Carving (art industries); Elephants; Sculpture

Jacobins
See also French revolution

Refer from Bréton club (s); French revolution

Jacobites
See also England — History — 1714–1837; Nonjurors

Refer from England — History — Stuarts; England — History — 1714–1837; Scotland — History

Jails *see* Prisons

Jainism *see* Jains

Jains
See also India — Religion

Refer from Hinduism; India — Religion; Jainism (s)

Jameson's raid, 1895–1896

Refer from South African war, 1899–1902; Transvaal

Janissaries *see* Janizaries

Janizaries
See also Turkey — Army; Turkey — History

Refer from Janissaries (s); Turkey — Army; Turkey — History

Jansenists

Refer from Catholic church; Catholic church — History; Church history — Modern; Jesuits

Japanese ethics *see* Ethics, Japanese

Japanese folklore *see* Folklore — Japan

Japanese in California

Refer from California; Japanese in the U. S.

Japanese in the U. S.
See also Japanese in California

Refer from Race problems — U. S.; U. S.— Foreign population; U. S.— Foreign relations — Japan

Japanese language
See also Oriental languages

Refer from Oriental languages

Japanese legends *see* Legends — Japan

Japanese literature
See also Oriental literature

Refer from Oriental literature

Japanning
See also Varnish and varnishing

Refer from Lacquer; Varnish and varnishing

Jarley waxworks

Refer from Entertainments; Waxworks, Living (s)

Jealousy
See also Emotions; Love

Refer from Emotions; Love

Jesters *see* Fools

Jests *see* Humor

Jesuits
See also Jansenists

Refer from Catholic church; Church history; Counter-reformation; Jesus, Society of (s); Monasticism; Religious orders; Society of Jesus (s)

——**Missions**
See also Catholic church — Missions; Indians — Missions

Refer from Catholic church — Missions; Indians — Missions; Missions

Jesus, Society of, *see* Jesuits

Jesus Christ
See also Antichrist; Apostles; Atonement; Bible; Bible — New Testament; Christianity; Cross; Easter; Holy sepulcher; Incarnation; Lord's supper; Mary, Virgin; Messiah; Millennium; Miracles; Salvation; Second advent; Socinianism; Transubstantiation; Trinity

Refer from Atonement; Bible; Bible — New Testament; Bible — New Testament — Gospels; Christ (s); Christianity; Christology (s); God; Incarnation; Jews; Lord's supper; Mary, Virgin; Messiah; Millennium; Prophecies; Religion; Second advent; Theology; Trinity

——Art, *see* Jesus Christ in art
——Ascension, *see* Jesus Christ — Resurrection and ascension
——Atonement, *see* Atonement
——**Baptism**

Refer from Baptism

——**Biography**

Refer from Jesus Christ — Life (s)

——**Birth**
See also Christmas; Incarnation; Magi

Refer from Christmas; Jesus Christ — Nativity (s); Nativity of Christ (s); Virgin birth of Christ (s)

——**Character**
See also Jesus Christ — Person and offices

Refer from Jesus Christ — Person and offices

——Crucifixion, *see* Jesus Christ — Passion
——Death, *see* Jesus Christ — Passion
——**Divinity**
See also Arianism; Jesus Christ — Messiahship; Socinianism; Trinity; Unitarianism

Refer from Arianism; Divinity (s); Humanitarianism (theology) (s); Trinity; Unitarianism

——**Genealogy**
——Iconography, *see* Jesus Christ in art
——Incarnation, *see* Incarnation
——**Legends**

Refer from Legends

——Life, *see* Jesus Christ — Biography
——**Messiahship**
See also Messiah

Refer from Jesus Christ — Divinity; Messiah

——**Miracles**

Refer from Miracles

——**Names**
——Nativity, *see* Jesus Christ — Birth
——**Passion**

Refer from Crucifixion; Jesus Christ — Crucifixion (s); Jesus Christ — Death (s)

——**Person and offices**
See also Jesus Christ — Character

Refer from Jesus Christ — Character

——Portraits, *see* Jesus Christ in art
——**Resurrection and ascension**
See also Easter

Refer from Ascension of Jesus Christ (s); Easter; Jesus Christ — Ascension (s); Resurrection

——Second advent, *see* Second advent
——**Teaching**
See also Bible — New Testament — Gospels; Parables; Sermon on the mount

Refer from Bible — New Testament — Gospels; Parables

——**Temptation**

Refer from Temptation

——**Transfiguration**

Refer from Transfiguration of Jesus Christ (s)

——**Trial**
Jesus Christ in art
See also Christian art and symbolism; Madonnas

Refer from Bible — Pictorial illustrations; Christian art and symbolism; Jesus Christ —

	Art (s); Jesus Christ — Iconography (s); Jesus Christ — Portraits (s)
Jets *See also* Hydraulics; Hydrodynamics	*Refer from* Fluids; Hydraulics; Hydrodynamics; Liquids
Jetties *See also* Breakwaters	*Refer from* Breakwaters; Harbors; Hydraulic engineering; Reclamation of land
Jewelry *See also* Arts and crafts; Beads; Bracelets; Brooches; Cameos; Gems; Goldsmithing; Hall marks; Pearls; Plate; Precious stones; Rings; Silversmithing	*Refer from* Arts and crafts; Bracelets; Brooches; Costume; Decoration and ornament; Gems; Gold; Goldsmithing; Metal work; Precious stones; Rings; Silversmithing
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Jewish language *see* Hebrew language; Yiddish language	
Jewish literature *See also* Bible; Cabala; Hebrew literature; Talmud; Yiddish literature	*Refer from* Hebrew literature; Jews — Literature (s)
Jewries *see* Ghettos	
Jews *See also* Anglo-Israelism; Bible; Circumcision; Essenes; Ghettos; Jesus Christ; Messiah; Palestine; Passover; Patriarchs; Prophets; Sabbath, Jewish; Semitic race; Zionism	*Refer from* Bible; Church history; Ghettos; Hebrews (s); Israelites (s); Palestine; Race problems; Semitic race; Zionism
——Antiquities *See also* Bible — Antiquities	*Refer from* Bible — Antiquities
——Biography	
——Charities	*Refer from* Charities
——Civilization	
——Customs, *see* Jews — Social life and customs	
——Education	
——Ethics, *see* Ethics, Jewish	
——Ethnology *See also* Bible — Ethnology	*Refer from* Bible — Ethnology
——History *See also* Bible — History	*Refer from* Bible — History
——Language, *see* Hebrew language; Yiddish language	
——Law *See also* Mosaic law	*Refer from* Mosaic law
——Literature, *see* Hebrew literature; Jewish literature; Yiddish literature	
——Liturgy and ritual	*Refer from* Jews — Religion; Jews — Ritual (s)
——Lost tribes *See also* Anglo-Israelism	*Refer from* Anglo-Israelism; Bible — Ethnology; Lost tribes of Israel (s); Ten tribes of Israel (s)
——Music, *see* Music — Jews	
——Persecution	*Refer from* Jews — Political and social conditions; Persecution
——Political and social conditions *See also* Jews — Persecution; Jews in Russia; Jews in the U. S.; Zionism	*Refer from* Anti-Semitism (s); Jews — Social conditions (s)
——Religion *See also* Bible — Old Testament; Cabala; Circumcision; Essenes; Jews — Liturgy and ritual; Messiah; Mosaic law; Passover; Sabbath, Jewish; Talmud	*Refer from* Circumcision; Judaism (s); Passover; Religions
——Ritual, *see* Jews — Liturgy and ritual	
——Social conditions, *see* Jews — Political and social conditions	

Jews — Continued
——Social life and customs
See also Ethics, Jewish
Jews in Russia

Jews in the U. S.

Jiu-jitsu
See also Wrestling

Joinery *see* Carpentry
Joint authorship *see* Collaboration
Joint standard *see* Bimetallism
Joint-stock companies
See also Corporations; Partnership; Stocks

Joints
See also Anatomy; Dislocations

Jokes *see* Humor
Journalism
See also Amateur journalism; Authorship; Caricature and cartoons; Editorials; Libel and slander; Liberty of the press; Newspapers; Periodicals; Publicity; Reporting; Students' periodicals; War correspondence
Journals (machinery) *see* Bearings (machinery)
Journeys *see* Voyages and travels; *also* names of countries, subhead Description and travel
Joy
See also Emotions; Happiness; Pleasure
Jubilee singers
Judaeo-German *see* Yiddish language
Judaism *see* Jews — Religion
Judeo-German *see* Yiddish language
Judges
See also Chancellors, Lord; Chief justices; Justices of the peace; Magistrates

Judgment
See also Common sense; Psychology; Reason
Judgment day
See also Eschatology; Future life; Second advent
Judiciary *see* Courts; Judges
Juggling *see* Conjuring
July fourth *see* Fourth of July
Jurassic period *see* Geology, Stratigraphic — Jurassic; Paleontology — Jurassic
Jurisdiction
See also Constitutional law; Courts; Equity; International law

Jurisprudence *see* Law
Jurisprudence, Medical, *see* Medical jurisprudence
Jurists *see* Lawyers
Jury
See also Constitutional law; Trials

Justice
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Refer from Jews — Customs (s)
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Refer from Jews — Political and social conditions

Refer from Athletics; Physical education; Sports; Wrestling

Refer from Business; Commercial law; Corporations; Partnership; Stock companies (s); Stocks

Refer from Anatomy; Articulations (s); Bones; Dislocations

Refer from Authorship; Editorials; Interviewing (s); Liberty of the press; Literature; Newspaper work (s); Newspapers; Periodicals; Press (s); Professions; Reporting; Writing for the press (s); Yellow journalism (s)

Refer from Emotions; Happiness; Pleasure
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Refer from Biography; Chief justices; Courts; Judiciary (s); Justices (s); Law; Lawyers; Magistrates

Refer from Intellect; Knowledge; Psychology; Reason

Refer from Day of judgment (s); Eschatology; Future life; Last judgment (s); Second advent; Theology

Refer from Constitutional law; Courts; International law; Law; Probate law and practice

Refer from Constitutional law; Courts; Criminal law; Grand jury (s); Law; Trial by jury (s); Trials

Refer from Conduct of life; Equity; Ethics; Law

Justices *see* Chief justices; Judges; Justices of the peace

Justices of the peace

Refer from Judges; Justices (s); Law; Magistrates

Justification

See also Faith; Grace (theology)

Refer from Faith; Grace (theology); Salvation; Theology

Jute

See also Fibers

Refer from Fibers; Hemp

Juvenile courts

See also Juvenile delinquency; Probation system

Refer from Children — Law; Children's courts (s); Courts; Criminal law; Juvenile delinquency; Probation system; Reformatories

Juvenile delinquency

See also Children, Abnormal and backward; Defectives; Juvenile courts; Parental schools; Reformatories; Truancy; Truant schools

Refer from Boys; Children; Children — Law; Crime and criminals; Defectives; Delinquent children (s); Juvenile courts; Juvenile offenders (s); Social problems

Juvenile literature *see* Children's literature

Juvenile offenders *see* Juvenile delinquency

Juvenile reformatories *see* Reformatories

Kabala *see* Cabala

Kabbala *see* Cabala

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Kafirs

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Refer from Africa, South; Caffres (s); Ethnology — Africa, South; Kaffirs (s)

Kaki *see* Khaki

Kaleidoscope

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Kalifs *see* Caliphs

Kansas-Nebraska bill

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Kantianism *see* Critical philosophy

Karens

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Kartels (economics) *see* Combination, Industrial; Trusts

Karyokinesis

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Kathode rays *see* Cathode rays

Kayans *see* Dyaks

Keeley cure *see* Gold cure

Keltic languages *see* Celtic languages

Keltic literature *see* Celtic literature

Kelts *see* Celts

Kentucky and Virginia resolutions, 1798

Refer from Alien and sedition laws, 1798; Kentucky — History; Kentucky resolutions (s); Nullification; State rights; Virginia — History; Virginia resolutions (s)

Kentucky resolutions, 1798, *see* Kentucky and Virginia resolutions, 1798

Keramics *see* Pottery

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Keswick movement

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Keys *see* Locks and keys

Khaki

Refer from Cotton; Dyes and dyeing; Kaki (s); Textile industry and fabrics; Wool

Khalifs *see* Caliphs

Kidnapping

See also Brigands and robbers; Impressment; Slave trade

Refer from Crime and criminals; Slave trade

Kidneys
See also Urinary organs

Refer from Abdomen; Urinary organs; Viscera

Kindergarten
See also Cardboard construction; Child study; Children; Finger plays; Nature study; Object teaching; Paper work; Play; Story telling

Refer from Child study; Children; Children — Education (s); Education; Education, Elementary; Education of children (s); Elementary education (s); Froebel system of education (s); Gifts (kindergarten) (s); Object teaching; Schools; Teaching

——Games and songs

Refer from Children's songs; Games; Play; School music; Songs

——Stories

Refer from Children's literature; Stories (s)

Kindness

Refer from Affection (s); Charity; Conduct of life; Ethics

Kindness to animals *see* Animals — Treatment

Kinematics
See also Dynamics; Force and energy; Mechanical movements; Mechanics; Motion; Velocity

Refer from Cinematics (s); Dynamics; Machinery; Mechanical movements; Mechanics; Motion; Physics; Velocity

Kinematograph *see* Moving pictures
Kinetic theory of gases *see* Gases — Kinetic theory
Kinetics *see* Dynamics; Motion
Kinetograph *see* Moving pictures
Kinetoscope *see* Moving pictures

King Philip's war, 1675–1676
See also Indians — Wars; New England — History; U. S. — History — Colonial period

Refer from Indians — Wars; New England — History; U. S.— History — Colonial period

King William's war, 1689–1697
See also Indians — Wars; U. S. — History — Colonial period

Refer from England — History — Stuarts; Indians — Wars; New York (state)— History; U. S. — History — Colonial period

Kingdom of God

Refer from Theology

Kings and rulers
See also Caliphs; Courts and courtiers; Divine right of kings; Doges; Emperors; Monarchy; Popes; Presidents; Princes and princesses; Queens and empresses; Royal descent, Families of

Refer from Biography; Courts and courtiers; Despotism; Emperors; History; Magistrates; Monarchs (s); Monarchy; Royalty (s); Rulers (s); Sovereigns (s)

Kingship *see* Monarchy
Kinship *see* Consanguinity; Family

Kissing

Refer from Manners and customs

Kitchen
See also Cookery; Home economics

Refer from Cookery; Home economics

Kitchen garden (for teaching housekeeping)

Refer from Home economics

Kitchen gardening (vegetables) *see* Gardening

Kitchen middens
See also Mounds and mound builders

Refer from Archaeology; Indians — Antiquities; Mounds and mound builders; Shell mounds (s)

Kites

Refer from Aeronautics; Amusements; Sports

Kneipp cure *see* Hydrotherapy
Knife *see* Knives
Knight-errantry *see* Chivalry; Knights and knighthood
Knightage *see* Peerage
Knighthood *see* Knights and knighthood

Knights and knighthood
See also Chivalry; Feudalism; Heraldry; Peerage; *also* orders of knighthood, e.g. Garter, Order of the; Malta, Knights of; Templars; Teutonic knights

Refer from Chivalry; Feudalism; Heraldry; Knight-errantry (s); Knighthood (s); Orders of knighthood (s); Peerage

Knights hospitallers *see* Malta, Knights of
Knights of Malta *see* Malta, Knights of
Knights of Rhodes *see* Malta, Knights of

Knights of St. John of Jerusalem *see* Malta, Knights of
Knights of the cross *see* Teutonic knights
Knights of the red cross *see* Freemasons
Knights templars (masonic) *see* Freemasons — Templars
Knights templars (military order) *see* Templars

Knitting
See also Fancy work
Refer from Fancy work; Needlework

Knives
See also Cutlery
Refer from Cutlery; Hardware; Knife (s)

Knotting and splicing *see* Knots and splices

Knots and splices
Refer from Cordage; Knotting and splicing (s); Navigation; Rope; Splicing (s)

Know-nothing party
See also U. S. — History — 1815–1861
Refer from American party (s); Knownothing party (s); Political parties; U. S.— History — 1815–1861; U. S. — Politics

Knowledge
See also Apperception; Belief; Education; Experience; Intellect; Intuition; Judgment; Metaphysics; Perception; Philosophy; Psychology; Reality; Science; Truth
Refer from Apperception; Consciousness; Education; Epistemology (s); Intellect; Learning (s); Metaphysics; Philosophy; Psychology

Knownothing party *see* Know-nothing party

Koomis *see* Kumiss

Koran
See also Mohammedanism
Refer from Alcoran (s); Alkoran (s); Kuran (s); Mohammedanism; Quran (s); Sacred books

Koumys *see* Kumiss

Ku-Klux Klan
See also Reconstruction
Refer from Invisible empire (s); Reconstruction; Secret societies; Southern states; White league (s)

Kumiss
Refer from Koomis (s); Koumys (s); Liquors; Milk

Kuran *see* Koran

Kyanizing *see* Wood — Preservation

Kymric language *see* Welsh language

Kymric literature *see* Welsh literature

Labadists
Refer from Sects

Labor and capital
See also Arbitration and conciliation, Industrial; Boycott; Capital; Combination, Industrial; Cooperation; Employers' associations; Employers' liability; Industrial betterment; Industry; Labor and laboring classes; Labor unions; Profit sharing; Strikes and lockouts; Wages
Refer from Arbitration and conciliation, Industrial; Capital; Capital and labor (s); Economics; Labor and laboring classes; Profit sharing

Labor and laboring classes
See also Age limit of employment; Apprentices; Arbitration and conciliation, Industrial; Benefit societies; Child labor; Communism; Consumers' leagues; Contract labor; Convict labor; Coolies; Cooperation; Cost of living; Economics; Efficiency, Industrial; Employers' liability; Employment agencies; Factory system; Farm colonies; Farm labor; Gilds; Home labor; Hours of labor; Housing problem; Immigration and emigration; Industrial betterment; Industrial education; Industry; Insurance, Industrial; Labor and capital; Labor exchanges; Labor laws; Labor unions; Leisure class; Machinery in industry; Mechanics' institutes; Miners; Occupations; Old age
Refer from Economics; Industry; Labor and capital; Labor unions; Laborers (s); Manufactures; People; Poor; Profit sharing; Social problems; Sociology; Strikes and lockouts; Wages; Wealth; Work; Working classes (s)

Labor and laboring classes—Continued
pensions; Open and closed shop; Padrone system; Peasantry; Peonage; Poor; Profit sharing; Railroads — Employees; Scientific management; Servants; Slavery; Socialism; Sociology; Standard of living; Strikes and lockouts; Sweating system; Unemployed; Villeinage; Wages; Women — Employment; Work; Workingmen's clubs; *also* names of cities, subhead Labor and laboring classes
——U. S.
See also U. S. — Social conditions

Refer from U. S.— Economic conditions; U. S.— Labor and laboring classes (s); U. S. — Social conditions

Labor and machinery *see* Machinery in industry
Labor colonies *see* Farm colonies; Penal colonies
Labor exchanges
See also Employment agencies; Unemployed

Refer from Arbitration and conciliation, Industrial; Employment agencies; Intelligence offices (s); Labor and laboring classes; Unemployed

Labor laws
See also Blacklisting; Boycott; Employers' liability; Factory laws; Hours of labor; Injunctions; Mining laws

Refer from Children — Law; Employers' liability; Factory laws; Government regulation of industry; Industrial betterment; Labor and laboring classes; Labor legislation (s); Law

Labor legislation *see* Labor laws
Labor organizations *see* Gilds; Labor unions
Labor unions
See also Arbitration and conciliation, Industrial; Benefit societies; Blacklisting; Boycott; Combination, Industrial; Cooperation; Employers' associations; Gilds; Labor and laboring classes; Open and closed shop; Restraint of trade; Strikes and lockouts; Trade agreements; Wages

Refer from Associations (s); Benefit societies; Boycott; Collective bargaining (s); Combination, Industrial; Commerce; Cooperation; Economics; Gilds; Labor and capital; Labor and laboring classes; Labor organizations (s); Open and closed shop; Organized labor (s); Restraint of trade; Societies; Strikes and lockouts; Trade unions (s); Trades combination (s); Unions, Labor (s); Wages; Workingmen's associations (s)

Laboratories
See also Biological laboratories

Refer from Research; Scientific research

Laborers *see* Labor and laboring classes
Laborers' dwellings *see* Housing problem
Lace
See also Needlework

Refer from Arts and crafts; Domestic arts; Fancy work; Manufactures; Needlework; Weaving

Laconics *see* Maxims
Lacquer
See also Japanning; Varnish and varnishing

Refer from Arts and crafts; Varnish and varnishing; Wood finishing

Lacrosse
Refer from Games
Ladies *see* Etiquet; Women
La grippe *see* Influenza
Lake District, Eng.
See also Cumberland, Eng.; Lake poets; Lancashire, Eng.; Westmoreland, Eng.

Refer from Cumberland, Eng.; England — Description and travel; Lake poets; Lakes; Lancashire, Eng.; Westmoreland, Eng.

Lake dwellers and lake dwellings
See also Archaeology

Refer from Anthropology; Archaeology; Architecture, Ancient; Ethnology; Lakes; Man — Origin and antiquity

Lake poets
See also English poetry; Lake District, Eng.

Refer from English poetry; Lake District, Eng.; Lake school (s); Lakists (s); Poets, English

Lake school *see* Lake poets

Lakes

See also Great Lakes; Inland navigation; Lake District, Eng.; Lake dwellers and lake dwellings; Physical geography; Ponds

Refer from Inland navigation; Physical geography; Ponds; Water

Lakists *see* Lake poets

Lamaism

See also Buddhism; Tibet

Refer from Buddhism; Religions; Tibet

Lamarckism *see* Evolution; Lamarck

Lamellibranchiata *see* Bivalves

Lampoons *see* Satire

Lamps

See also Electric lamps; Safety lamps

Refer from Furniture; Lighting; Petroleum

Land

See also Agriculture; Clearing of land; Deeds; Easements; Eminent domain; Farm colonies; Farms; Land grants; Land nationalization; Land tenure; Land titles; Landlord and tenant; Parks; Public lands; Real estate; Reclamation of land; Rent; School lands; Single tax; Surveying; Taxation; Unearned increment

Refer from Agriculture; Economics; Landlord and tenant; Law; Property; Real estate; Rent

Land banks

See also Agricultural credit; Banks and banking

Refer from Agricultural banks (s); Agricultural credit; Banks and banking

Land clearing *see* Clearing of land

Land credit *see* Agricultural credit

Land drainage *see* Drainage

Land grants

See also School lands; *also* names of countries, subhead Public lands

Refer from Land; U. S.—Public lands

Land nationalization

See also Communism; Land tenure; Single tax; Socialism

Refer from Communism; Land; Land tenure; Nationalization of land (s); Single tax; Socialism

Land surveying *see* Surveying

Land tenure

See also Absenteeism; Commons; Eminent domain; Feudalism; Land nationalization; Land titles; Landlord and tenant; Manors; Mark (land); Mortmain; Real estate; Rent; Riparian rights; School lands; Scutage; Single tax; Taxation; Unearned increment; Village communities; Villeinage

Refer from Absenteeism; Agriculture; Economics; Inheritance; Land; Land nationalization; Real estate; Single tax; Tenure of land (s)

——Ireland

See also Absenteeism

Refer from Absenteeism; Ireland — Land tenure (s); Irish land question (s)

——U. S.

See also Homestead law; U. S.— Public lands

Refer from U. S.— Economic conditions; U. S.— Land tenure (s)

Land titles

See also Conveyancing; Deeds; Mortgages; Real estate; Sale; Torrens system

Refer from Abstracts of title (s); Conveyancing; Deeds; Land; Land tenure; Property; Real estate; Sale; Titles (land) (s)

Land transfer *See* Conveyancing

Land yachts

Refer from Sports; Yachts and yachting

Landlord and tenant

See also Absenteeism; Apartment houses; Eviction; Land; Rent; Tenement houses

Refer from Commercial law; Land; Land tenure; Law; Real estate; Rent; Tenants (s)

Landmarks, Preservation of, *see* Preservation of landmarks, scenery, etc.

Landscape

See also Picturesque; Preservation of landmarks, scenery, etc.

Refer from Esthetics; Natural scenery (s); Picturesque; Scenery (s)

Landscape gardening

See also Cemeteries; Evergreens; Forests and forestry; Garden ornaments and furni-

Refer from Architectural gardening (s); Art; Cemeteries; Forests and forestry; Formal

ture; Gardening; Gardens; Hedges; Lawns; Municipal improvement; Parks; Pergolas; Rustic woodwork; Shrubs; Topiary work; Trees; Water gardens	gardening (s); Gardening; Gardens; Hedges; Municipal improvement; Parks; Planting (s); Rural architecture (s); Shrubs; Trees
Landscape painting *See also* Barbizon school; Painting	*Refer from* Painting
Landslides *See also* Avalanches	*Refer from* Avalanches; Geology; Physical geography
Language *See also* Accent; Alliteration; Alphabet; Classical education; Conversation; Definition; Dialects; Elocution; Epithets; Etymology; Grammar; Hieroglyphics; Idioms; Literature; Names; Onomatopoeia; Phonetics; Pronunciation; Prosody; Punctuation; Rhetoric; Sign language; Slang; Speech; Spelling; Synonyms and antonyms; Translation; Transliteration; Words; Writing; *also* names of languages and groups of languages, e.g. African languages; Aryan languages; Dravidian languages; Indians — languages; Oceanic languages; Oriental languages; Romance languages; Semitic languages; Ural-Altaic languages	*Refer from* Anthropology; Ethnology; Linguistics (s); Literature; Philology (s); Science; Speech; Words
——Artificial *See also* Bolak; Esperanto; Ido; Volapük	*Refer from* Artificial language (s); International language (s); Language, Universal
——Comparative philology	*Refer from* Comparative philology (s)
——Universal *See also* Language, Artificial	*Refer from* International language (s); Universal language (s)
Language of animals *see* Animals — Language	
Language of flowers *see* Flower language	
Langue bleue (artificial language) *see* Bolak	
Langue d'oc *see* Provençal language	
Langue d'oïl *see* French language	
Lantern slides *See also* Stereopticon	*Refer from* Stereopticon
Lapidary work *see* Gems	
Larceny *See also* Burglary; Embezzlement; Thieves	*Refer from* Burglary; Crime and criminals; Shoplifting (s); Stealing (s); Theft (s); Thieving (s); Thieves
Last judgment *see* Judgment day	
Last words of famous people	*Refer from* Anecdotes; Death-bed words (s); Dying words (s)
Lathe work *see* Lathes; Turning	
Lathes *See also* Machine shop practice; Machine tools; Turning; Woodworking machinery	*Refer from* Carpentry; Lathe work (s); Machine shop practice; Machine tools; Machinery; Turning; Woodworking machinery
Latin America *See also* Central America; Mexico; Monroe doctrine; South America; West Indies	*Refer from* Central America; Mexico; South America; Spanish America (s)
Latin drama *See also* Dramatists, Latin; Latin literature; Theater — Rome	*Refer from* Dramatists, Latin; Latin literature; Theater — Rome
Latin language [subdivided like German language] *See also* Aryan languages; Romance languages	*Refer from* Aryan languages; Classical languages (s); Latin literature
Latin literature *See also* Classical literature; Latin drama; Latin language; Latin poetry	*Refer from* Classical literature; Latin drama; Latin poetry; Roman literature (s)
——Medieval and modern	

Latin poetry
See also Latin literature

Refer from Latin literature

Latin races
See also Aryans; Creoles

Refer from Aryans; Civilization

Latitude and longitude
See also Astronomy; Astronomy, Spherical and practical; Geography, Mathematical; Navigation; Nutation; Traverse tables

Refer from Astronomy; Astronomy, Spherical and practical; Degrees of latitude and longitude (s); Earth; Geodesy; Geography; Geography, Mathematical; Longitude (s); Nautical astronomy; Navigation

Latter-day saints *see* Mormons and Mormonism

Lattice
See also Grilles

Refer from Doors; Fret cutting (s); Grilles; House decoration; Windows

Laughter
See also Humor

Refer from Emotions; Humor

Launches *see* Motor boats; Steam launches

Launching

Refer from Shipbuilding; Ships

Laundry
See also Cleaning

Refer from Cleaning; Home economics; Washing (s)

Laureates *see* Poets laureate

Lava
See also Igneous rocks; Volcanoes

Refer from Igneous rocks; Volcanoes

Law
See also Acknowledgments; Actions at law; Administrators and executors; Admiralty; Adoption; Affidavits; Agency; Agricultural laws; Aliens; Allegiance; Anecdotes, Legal; Appeal; Appraising; Arbitration and award; Assignments; Asylum, Right of; Attachment; Bail; Bailments; Bankruptcy; Benefit of clergy; Blue laws; Building laws; Carriers; Chancery; Charters; Church law; Civil law; Civil rights; Commercial law; Common law; Confiscation; Constables; Constitutional law; Constitutions; Contracts; Conveyancing; Copyright; Coroners; Corporation law; Costs; County officers; Courts; Crime and criminals; Criminal law; Damages; Debt; Divorce; Domestic relations; Easements; Election laws; Eminent domain; Equity; Evidence; Extradition; Feudalism; Forms (in law); Game laws; Government; Guaranties and sureties; Guardians; Habeas corpus; Impeachment; Inheritance; Injunctions; Insurance; International law; Judges; Jurisdiction; Jury; Justice; Justices of the peace; Labor laws; Land; Landlord and tenant; Lawyers; Legacies; Legal ethics; Legislation; Libel and slander; Liens; Limitations (law); Liquor laws; Lynch law; Magistrates; Mandamus; Maritime law; Marriage; Martial law; Master and servant; Medical jurisprudence; Military law; Mining laws; Mortgages; Mortmain; Mosaic law; Municipal corporations; Municipal law; Natural law; Negligence; Negotiable instruments; Notaries; Nuisances; Pardon; Parliamentary practice; Partnership; Patents; Personal property; Petition, Right of; Pleading and practice; Police; Police power; Poor laws; Possession (in law); Powers (law); Primogeniture; Probate law and practice; Property; Prostitution; Punish-

Refer from Civil law; Common law; Courts; Criminal law; Ethics; Government; Jurisprudence (s); Legislation; Municipal law; Pleading and practice; Professions; Science; Sociology

Law — Continued
ment; Real estate; Receivers; Rent; Restraint of trade; Riparian rights; Sale; Salic law; School laws; Sheriffs; Social contract; Sovereignty; Sumptuary laws; Survivorship; Torts; Trade-marks; Treason; Trespass; Trials; Trustees; Wager of battle; Wills; Witnesses; *also* subhead Law under countries and states, and under various subjects, e.g. Women — Law

——Study and teaching — *Refer from* Legal education (s); Professional education

Law of nations *see* International law
Law of nature *see* Natural law
Law of supply and demand *see* Supply and demand
Lawn tennis *see* Tennis

Lawns
See also Grasses — *Refer from* Gardening; Grasses; Landscape gardening

Lawsuits *see* Actions at law

Lawyers
See also Anecdotes, Legal; Chancellors, Lord; Chief justices; Judges; Legal ethics; Magistrates; Women as lawyers — *Refer from* Attorneys (s); Bar (s); Barristers (s); Biography; Jurists (s); Law; Solicitors (s)

Laziness *see* Idleness

Lead
See also Lead burning; Lead mines and mining; Lead poisoning; Metals; Pewter; Plumbing — *Refer from* Metals

Lead burning
See also Plumbing — *Refer from* Lead; Plumbing

Lead mines and mining — *Refer from* Lead; Mines and mineral resources

Lead poisoning — *Refer from* Lead; Occupations — Diseases and hygiene; Poisons

Leadership
See also Executive ability — *Refer from* Ability; Executive ability; Success

Learned men *see* Scholars

Learned societies
See also Scientific societies; *also* names of countries and cities, subhead Learned institutions and societies — *Refer from* Academies (learned societies) (s); Scientific societies; Societies

Learning *see* Culture; Education; Knowledge; Scholars

Least squares
See also Astronomy, Spherical and practical; Probabilities — *Refer from* Astronomy, Spherical and practical; Errors, Theory of; Geodesy; Mathematics; Probabilities

Leather
See also Blacking; Chemistry, Technical; Boots and shoes; Harness; Hides and skins; Leather work; Tanning — *Refer from* Animal products; Boots and shoes; Chemistry, Technical; Hides and skins; Manufactures; Tanning

Leather work
See also Arts and crafts — *Refer from* Arts and crafts; Fancy work; Leather

Leaves
See also Botany; Botany, Structural; Trees — *Refer from* Botany; Botany, Structural; Foliage (s); Plants; Trees

Lectures and lecturing
See also Chalk talks; Lyceums; Oratory; Rhetoric — *Refer from* Education; Entertainments; Lecturing (s); Lyceums; Oratory; Rhetoric

Lecturing *see* Lectures and lecturing

Left- and right-handedness
See also Ambidexterity; Hand

Refer from Ambidexterity; Habit; Hand; Lefthandedness (s); Psychology, Physiological; Right-handedness (s); Righthandedness (s)

Lefthandedness *see* Left- and right-handedness
Leg
See also Anatomy; Artificial limbs

Refer from Anatomy; Legs (s)

Legacies
See also Inheritance; Inheritance and transfer tax; Mortmain; Wills

Refer from Bequests (s); Inheritance; Law; Wills

Legal anecdotes *see* Anecdotes, Legal
Legal chemistry *see* Chemistry, Legal
Legal education *see* Law — Study and teaching
Legal ethics

Refer from Ethics; Ethics, Legal (s); Law; Lawyers; Professional ethics (s)

Legal forms *see* Forms (in law)
Legal holidays *see* Holidays
Legal medicine *see* Medical jurisprudence
Legal tender
See also Greenbacks; Money; Paper money

Refer from Bank notes; Coinage; Fiat money (s); Greenbacks; Money; Paper money

Legations *see* Diplomatic and consular service
Legends
See also Animal lore; Arthurian romances; Ballads; Cross; Fables; Fairy tales; Faust; Folklore; Grail; Indians — Legends; Jesus Christ — Legends; Mary, Virgin — Legends; Mythology; Romances; Sagas; Saints; Wandering Jew

Refer from Ballads; Fiction; Folklore; Literature; Mythology; Romances; Saints; Stories (s); Superstition; Traditions (s)

——Celtic
See also Folklore, Celtic

Refer from Celtic legends (s); Celts; Folklore, Celtic

——Japan
See also Folklore — Japan

Refer from Folklore — Japan; Japan — Legends (s); Japanese legends (s)

Legerdemain *see* Conjuring
Legislation
See also Government; Law; Legislative bodies; Lobbying; Parliamentary practice; Referendum; Veto

Refer from Government; Law

Legislation, Direct, *see* Referendum
Legislative bodies
See also Committees; Parliamentary practice; *also* names of legislative bodies under countries, states and cities

Refer from Committees; Constitutional law; Government; Legislation; Parliamentary practice; Representative government and representation

Legs *see* Leg
Legume inoculation *see* Soil inoculation
Leisure

Refer from Conduct of life; Simple life

Leisure class
See also Class distinction; Luxury

Refer from Class distinction; Economics; Labor and laboring classes; Luxury; Privileged classes; Social ethics; Sociology; Wealth

Lenape Indians *see* Delaware Indians
Length, Standards of, *see* Standards of length
Lenni Lenape *see* Delaware Indians
Lenses
See also Photographic optics

Refer from Aberration; Optical instruments; Photographic optics; Photography; Spectacles

Lent
See also Ash Wednesday; Christian year; Easter; Fasts and feasts; Good Friday; Holy week

Refer from Ash Wednesday; Catholic church; Christian year; Easter; Fasting; Fasts and feasts; Good Friday; Holy week

Lepers *see* Leprosy

Lepidoptera
See also Butterflies; Caterpillars; Insects; Moths
Refer from Butterflies; Caterpillars; Insects; Moths

Leprosy
Refer from Lepers (s); Medicine — Practice; Skin — Diseases

Letter writing
See also Commercial correspondence; Etiquet; Rhetoric
Refer from Composition (English); Composition (rhetoric) (s); Correspondence (s); Etiquet; Rhetoric; Writing

Lettering
See also Illumination of manuscripts and books; Monograms; Sign painting
Refer from Alphabet; Alphabets (s); Decoration and ornament; Design, Decorative; Illumination of manuscripts and books; Initials; Mechanical drawing; Monograms; Ornamental alphabets (s); Painting, Mechanical; Penmanship; Sign painting; Writing

Letters
Refer from Correspondence (s); Literature

——American
Refer from American letters (s); American literature

——English
Refer from English letters (s); English literature

Letters (of the alphabet) *see* Alphabet
Letters of marque *see* Privateering
Letters patent *see* Patents
Leucopathy *see* Albinos and albinism

Levant
See also Asia Minor; East; Palestine; Turkey
Refer from Asia; Asia Minor; East; Palestine; Turkey

Levees *see* Embankments
Leveling *see* Surveying

Lewis and Clark expedition
Refer from Louisiana purchase; Missouri River; U. S.— Exploring expeditions; Western states

Lexicons *see* Dictionaries; *also* names of languages and subjects, subhead Dictionaries
Liability, Employers', *see* Employers' liability

Libel and slander
See also Liberty of speech; Liberty of the press; Torts
Refer from Calumny (s); Damages; Defamation (s); Journalism; Law; Liberty of speech; Liberty of the press; Slander (s); Torts

Liberalism
See also Modernism; Unitarianism
Refer from Government; Politics; Theology; Unitarianism

Liberty
See also Anarchism and anarchists; Assembly, Right of; Democracy; Equality; Free institutions; Liberty of conscience; Liberty of speech; Liberty of the press; Natural law; Religious liberty; Slavery
Refer from Civil liberty (s); Democracy; Despotism; Equality; Ethics; Free institutions; Freedom (s); Government; People; Personal liberty (s); Philosophy; Religious liberty

Liberty of conscience
See also Church and state; Dissenters; Heresy; Persecution; Private judgment; Public opinion; Religious liberty
Refer from Church and state; Church polity; Conscience; Ethics; Free religion; Heresy; Intolerance (s); Liberty; Persecution; Private judgment; Religious liberty; Theology; Toleration (s)

Liberty of speech
See also Assembly, Right of; Libel and slander; Liberty of the press
Refer from Assembly, Right of; Free speech (s); Libel and slander; Liberty; Liberty of the press; Speech

Liberty of the press
See also Journalism; Libel and slander; Liberty of speech; Newspapers; Prohibited books; Public opinion
Refer from Censorship of the press (s); Freedom of the press (s); Journalism; Libel and slander; Liberty; Liberty of speech; Newspapers; Periodicals; Press (s); Prohibited books

Liberty of the will *see* Freedom of the will

Librarians
See also Library administration — *Refer from* Biography; Libraries

Librarianship *see* Library administration; Library science

Libraries
See also Bibliography; Book clubs; Book collecting; Books; Books and reading; Catalogs, Library; Fiction in libraries; Home libraries; Librarians; Mechanics' institutes; Medical libraries; Reference books; School libraries; Shelving (for books); Sunday school libraries; Taxation, Exemption from; *also* headings beginning Libraries and Library, names of libraries, and names of cities, subhead Libraries — *Refer from* Bibliography; Books; Books and reading; Circulating libraries (s); Education; Library science; Literature

——**Children's**
See also Children's literature; Libraries and schools; School libraries — *Refer from* Child study; Children; Children's libraries (s); Children's literature; Libraries and children (s); Libraries and schools; Schools and libraries (s)

——**College** — *Refer from* College libraries (s); Libraries, University (s); University libraries (s)

——Home, *see* Home libraries
——Medical, *see* Medical libraries
——**Municipal reference** — *Refer from* Municipal reference libraries (s)
——**Private**
See also Book collecting — *Refer from* Book collecting; Private libraries (s)

——**Public** — *Refer from* Public libraries (s)
——School, *see* School libraries
——Sunday school, *see* Sunday school libraries
——**Traveling**
See also Library post — *Refer from* Traveling libraries (s)
——**U. S.** — *Refer from* U. S.— Libraries (s)
——University, *see* Libraries, College

Libraries and children *see* Libraries, Children's

Libraries and fiction *see* Fiction in libraries

Libraries and pictures — *Refer from* Pictures

Libraries and schools
See also Children's literature; Libraries, Children's; School libraries — *Refer from* Children's literature; Education; Libraries, Children's; Public schools; School libraries; Schools; Schools and libraries (s)

Library administration
See also Fiction in libraries; Library science — *Refer from* Librarians; Librarianship (s); Library science

Library architecture
See also Shelving (for books) — *Refer from* Architecture; Library buildings (s); Public buildings

Library buildings *see* Library architecture

Library bulletins — *Refer from* Advertising; Bulletins, Library (s); Library science

Library catalogs *see* Catalogs, Library

Library commissions

Library economy *see* Library science

Library fittings and supplies
See also Shelving (for books) — *Refer from* Furniture

Library laws

Library post
See also Parcels post — *Refer from* Libraries, Traveling; Parcels post; Postal service

Library schools and training — *Refer from* Library science; Library training (s); Professional education

Library science
See also Bibliography; Bookbinding; Cataloging; Classification; Libraries; Library administration; Library bulletins; Library schools and training — *Refer from* Cataloging; Classification; Librarianship (s); Library administration; Library economy (s); Professions

Library training *see* Library schools and training
Librettos *see* Opera — Librettos
License system *see* Liquor laws; Liquor traffic
Lichens
See also Cryptogams — *Refer from* Cryptogams; Mosses
Liens
See also Attachment; Mortgages — *Refer from* Attachment; Assignments; Bailments; Commercial law; Incumbrances (s); Law; Mechanics' liens (s); Property; Real estate

Lies *see* Lying
Life [for use when neither Biology nor Conduct of life is applicable]
See also Animism; Biology; Christian life and character; Conduct of life; Death; Ethics; Future life; Hygiene; Longevity; Man; Philosophy; Spiritual life; Standard of living; Vital statistics; Vitalism — *Refer from* Conduct of life; Ethics; Man; Metaphysics; Philosophy
——**Origin**
See also Biology; Spontaneous generation — *Refer from* Biology; Evolution; Origin of life (s)
Life-boats *see* Lifeboats
Life in other worlds *see* Plurality of worlds
Life insurance *see* Insurance, Life
Life-saving
See also Accidents; Beacons; Drowning; Firemen; Fires; First aid in illness and injury; Lifeboats; Lighthouses; Lightning conductors; Safety devices; Shipwrecks — *Refer from* Accidents; Drowning; Shipwrecks
Lifeboats — *Refer from* Boats and boating; Life-boats (s); Life-saving; Navigation; Shipwrecks

Lifts *see* Elevators; Hoisting machinery
Light
See also Aberration; Absorption of light; Color; Color blindness; Diffraction; Ether (of space); Eye; Heliotropism; Interference (light); Lighting; Magneto-optics; N rays; Optical illusions; Optical instruments; Perspective; Phosphorescence; Photochemistry; Photography; Photometry; Phototherapy; Physics; Polarization (light); Radiation; Radioactivity; Rainbow; Reflection (light); Refraction; Sight; Spectra; Spectrum analysis; Sun; X rays; Zodiacal light — *Refer from* Aberration; Absorption of light; Color; Diffraction; Eye; Interference (light); Optics (s); Photometry; Physics; Radiation; Reflection (light); Refraction; Senses and sensation; Spectra; Vibration; Waves
Light cure *see* Phototherapy
Light operas *see* Operettas
Lighthouses
See also Beacons — *Refer from* Beacons; Civil engineering; Hydraulic engineering; Life-saving; Lighting; Navigation
Lighting
See also Acetylene; Candles; Car heating, lighting and ventilation; Electric lighting; Gas; Gas lighting; Incandescent gas-lighting; Lamps; Lighthouses; Petroleum; Photometry; *also* names of cities, subhead Lighting — *Refer from* Illumination (s); Light; Municipal improvement; Street lighting (s)
Lightning
See also Atmospheric electricity; Electricity; Lightning conductors; Thunderstorms — *Refer from* Accidents; Atmospheric electricity; Electricity; Meteorology; Thunderstorms
Lightning conductors — *Refer from* Electric conductors; Life-saving; Lightning; Lightning rods (s); Safety devices

Lightning rods *see* Lightning conductors
Lignite
See also Briquets; Coal — *Refer from* Coal; Fuel

Lilies
See also Floriculture
Lily *see* Lilies
Lime
See also Cement
Limericks
See also Nonsense verse
Limestone
See also Building stones; Chalk; Marble
Limitations (law)
See also Possession (in law)

Limnobiology *see* Fresh-water life
Linen
See also Fibers; Flax; Hemp; Textile industry and fabrics
Linguistics *see* Language
Link motion
See also Mechanical movements; Valves and valve gears
Linoleum
Linotype *see* Typesetting machines
Lions
See also Carnivora
Lip reading
See also Deaf and dumb
Liquefaction of gases
See also Chemistry, Physical; Liquid air

Liqueurs *see* Liquors
Liquid air
See also Chemistry, Physical; Liquefaction of gases

Liquid fuel
See also Alcohol, Denatured; Gas and oil engines; Gasoline; Petroleum
Liquids
See also Boiling points; Capillarity; Fluids; Hydraulics; Hydrodynamics; Hydrostatics; Jets; Liquid air; Liquid fuel; Soap bubbles; Solution (chemistry); Splashes; Viscosity
Liquor habit *see* Alcoholism; Liquor problem
Liquor laws
See also Dispensary system; Gothenburg system; Internal revenue laws; Liquor traffic; Local option; Prohibition
Liquor problem
See also Alcoholism; Canteens (army); Liquor laws; Liquor traffic; Local option; Prohibition; Temperance

Liquor traffic
See also Brewing; Canteens (army); Dispensary system; Gothenburg system; Liquor laws; Liquor problem; Local option; Prohibition; Temperance
Liquors
See also Adulterations; Alcohol; Ale; Beer; Beverages; Brandy; Brewing; Distillation; Fermentation; Kumiss; Temperance; Wine

Refer from Floriculture; Flowers; Lily (s)

Refer from Cement; Fertilizers and manures

Refer from Humor; Nonsense verse

Refer from Building stones; Chalk; Rocks

Refer from Actions at law; Debt; Law; Possession (in law); Statute of limitations (s)

Refer from Fibers; Flax; Hemp; Textile industry and fabrics

Refer from Mechanical movements; Steam engines; Valves and valve gears
Refer from Carpets; Floors; Manufactures

Refer from Carnivora; Hunting

Refer from Deaf and dumb; Speech

Refer from Chemistry, Physical; Gases; Heat; Liquid air; Physics

Refer from Air; Air, Liquid (s); Chemistry, Physical; Liquefaction of gases; Liquids; Physics; Refrigeration and refrigerating machinery

Refer from Fuel; Gas and oil engines; Liquids; Marine engines; Petroleum

Refer from Capillarity; Fluids; Mechanics; Physics

Refer from High license (s); Law; License system (s); Liquor problem; Liquor traffic; Local option; Prohibition; Temperance

Refer from Alcohol; Alcoholism; Drink question (s); Drunkenness (s); Inebriates (s); Intemperance (s); Intoxication (s); Liquor habit (s); Liquor traffic; Local option; Prohibition; Saloons (s); Social problems; Temperance

Refer from Alcohol; High license (s); License system (s); Liquor laws; Liquor problem; Saloons (s); Temperance

Refer from Adulterations; Agricultural products; Alcohol; Ale; Beer; Beverages; Brandy; Brewing; Distillation; Drinks (s); Food; Intoxicants (s); Liqueurs (s); Manufactures;

Spirituous liquors(s); Stimulants; Temperance; Wine

Litanies
See also Liturgies

Refer from Liturgies; Prayers; Worship

Literary blunders *see* Errors and blunders Literary
Literary collaboration *see* Collaboration
Literary criticism *see* Critisicm; Literature — History and criticism

Literary forgeries and mystifications
See also Errors and blunders, Literary; Plagiarism; Shakespeare, William — Forgeries

Refer from Errors and blunders, Literary; Forgeries (s); Forgery; Frauds, Literary (s); Imposture; Literary frauds (s); Literature; Plagiarism

Literary frauds *see* Literary forgeries and mystifications
Literary history *see* Bibliography; Literature — History and criticism
Literary men *see* Authors; Students
Literary property *see* Copyright

Literary societies
See also Study clubs

Refer from Societies; Study clubs

Literature
See also Allegories; Allusions; Anagrams; Anecdotes; Art in literature; Authors; Authorship; Ballads; Bestiaries; Bible — Literary character; Bibliography; Books; Books and reading; Booksellers and bookselling; Catholic literature; Chapbooks; Children in literature and art; Children's literature; Classicism; Commonplace books; Copyright; Criticism; Dialogues; Drama; Editorials; Emblems; Epigrams; Epitaphs; Errors and blunders, Literary; Essays; Esthetics; Fables; Fairy tales; Fiction; Folklore; Horn books; Humanism; Humor; Hymns; Idealism in literature; Indexes; Inscriptions; Journalism; Language; Legends; Letters; Libraries; Literary forgeries and mystifications; Manuscripts; Maxims; Mottoes; Naturalism in literature; Nature in literature; Newspapers; Orations; Parodies; Periodicals; Plagiarism; Plots (drama, novel, etc.); Poetry; Printing; Prose; Proverbs; Publishers and publishing; Quotations; Readers; Realism in literature; Recitations and readings; Religious literature; Renaissance; Rhetoric; Riddles; Romances; Romanticism; Sacred books; Sagas; Satire; Sermons; Short stories; Symbolism in literature; Tracts; Translation; Women in literature and art; *also* names of literatures and groups of literatures, e.g. American literature; Celtic literature; Classical literature; English literature; European literature; Oriental literature; Romance literature; Scandinavian literature; Slavic literature

Refer from Authors; Belles-lettres (s); Bibliography; Books; Books and reading; Drama; European literature; Language; Poetry; Prose

——**Collections**
See also Recitations and readings

Refer from Recitations and readings

——**History and criticism**
See also Book reviews; Criticism

Refer from Appraisal of books (s); Book reviews; Books — Appraisal (s); Criticism; Evaluation of literature (s); Literary criticism (s); Literary history (s)

——**Immoral**

Refer from Ethics; Immoral literature (s)

——**Medieval**, *see* Middle ages — Literature

Literature — Continued
——**Study and teaching**
Lithography
See also Chromolithography; Engraving; Photolithography; Zincography — *Refer from* Art; Chromolithography; Engraving
Lithology *see* Rocks
Lithozincography *see* Zincography
Littoral rights *see* Riparian rights
Liturgies
See also Breviaries; Church services; Hymns; Litanies; Mass; Missals; Prayer books; Prayers; Responsive worship; Rites and ceremonies; Ritualism; Worship; *also* names of churches, e.g. Catholic church — Liturgy and ritual, Church of England — Liturgy and ritual — *Refer from* Breviaries; Church ceremonies (s); Church music; Church services; Devotional exercises; Litanies; Missals; Prayer books; Prayers; Religious services (s); Responsive worship; Rites and ceremonies; Ritual (s); Service-books (s); Worship
Live stock
See also Barns and stables; Breeding; Cattle; Cowboys; Cows; Domestic animals; Feeding and feeding stuffs; Grazing; Horse; Insurance, Casualty; Oxen; Poultry; Sheep; Swine; Veterinary medicine — *Refer from* Agriculture; Animal industry (s); Breeding; Cattle; Domestic animals; Farm animals (s); Feeding and feeding stuffs; Horse; Oxen; Sheep; Stock breeding (s); Stock farming (s); Stock raising (s); Swine
——Transportation, *see* Animals — Transportation
Liver
See also Digestive system; Glands — *Refer from* Abdomen; Digestive system; Glands; Viscera
Livery — *Refer from* Costume; Gilds; Servants; Uniforms
Lives *see* Biography; *also* names of individuals and classes of persons
Living, Cost of, *see* Cost of living
Living, Standard of, *see* Standard of living
Living expenses *see* Cost of living
Loadstone *see* Lodestone
Loan associations *see* Building and loan associations
Loans
See also Debt; Finance; Interest; Investments; Mortgages; Repudiation; Securities — *Refer from* Commerce; Credit; Debt; Debts, Public; Finance; Investments
Lobbying
See also Political corruption — *Refer from* Legislation; Political corruption; Politics
Local government
See also Boroughs; Cities; Coroners; County officers; Gilds; Home rule; Municipal government; Town meeting; Town officers; Towns; Village communities; Villages — *Refer from* Boroughs; County officers; Government; Municipal government; Self-government (s); State governments; Town meeting; Towns; Village communities; Villages
Local option
See also Liquor laws; Liquor problem; Prohibition — *Refer from* County option (s); Liquor laws; Liquor problem; Liquor traffic; Prohibition; Temperance
Lockjaw *see* Tetanus
Lockouts *see* Strikes and lockouts
Locks (canals) *see* Canals — Locks
Locks and keys — *Refer from* Hardware; Keys (s)
Locomotion — *Refer from* Motion
See also Aeronautics; Animal locomotion; Automobiles; Boats and boating; Carriages; Coaches and coaching; Cycling; Driving; Flight; Horsemanship; Navigation; Rowing; Running; Sailing; Skating; Transportation; Travel; Walking

Locomotives
See also Electric locomotives; Railroads; Steam engines; Traction engines

Refer from Engines; Machinery; Mechanical engineering; Motors; Railroads; Railroads — Equipment and supplies; Railroads — Rolling stock; Steam engines

Locusts
See also Cicadas; Orthoptera

Refer from Grasshoppers (s); Insects, Injurious and beneficial; Orthoptera

Lodestone

Refer from Iron ores; Loadstone (s); Magnetism; Magnetite (s)

Lodging houses
See also Hotels

Refer from Apartment houses; Hotels; Housing problem; Tenement houses

Log cabins

Refer from Architecture, Domestic; Cabins, Log (s); Cottages

Logarithms
See also Functions; Mathematics — Tables, etc.; Slide rule; Surveying; Trigonometry

Refer from Algebra; Mathematics — Tables, etc.; Surveying; Tables, Mathematical (s); Trigonometry

Logging *see* Lumber and lumbering

Logic
See also Analogy; Certainty; Debating; Evidence; Fallacies; Probabilities; Reason

Refer from Argument (s); Debating; Dialectics (s); Evidence; Fallacies; Induction (logic) (s); Intellect; Philosophy; Probabilities; Proof (s); Psychology; Reason; Reasoning (s); Science; Syllogisms (s); Thought and thinking

Lollards

Refer from England — Religious history; Sects

Longevity
See also Old age; Vital statistics

Refer from Age; Aged (s); Biology; Centenarians (s); Hygiene; Life; Man; Old age; Pathology; Physiology

Longitude *see* Latitude and longitude

Looking-glasses *see* Mirrors

Looms
See also Weaving

Refer from Machinery; Textile factories; Weaving

Lord chancellors *see* Chancellors, Lord

Lord's prayer
See also Bible — New Testament — Matthew; Bible — New Testament — Luke

Refer from Bible; Bible — New Testament — Matthew; Bible — New Testament — Luke; Devotional exercises; Prayer; Prayers

Lord's supper
See also Church membership; Close communion; Jesus Christ; Mass; Passover; Sacraments; Transubstantiation

Refer from Altars; Christian antiquities; Church membership; Church polity; Close communion; Communion (s); Confirmation; Devotional exercises; Eucharist (s); Jesus Christ; Mass; Passover; Real presence (s); Sacraments; Theology; Transubstantiation

Lost tribes of Israel *see* Jews — Lost tribes

Lotteries
See also Probabilities

Refer from Crime and criminals; Ethics; Gambling

Lotus

Refer from Egypt — Religion; Flowers

Louisiana purchase
See also Lewis and Clark expedition; Mississippi Valley; U. S.— History — 1783–1812

Refer from U. S.— Annexations; U. S.— History — 1783–1812

Louvre
See also Paris — Galleries and museums

Refer from Art — Galleries and museums; Palaces; Paris — Galleries and museums

Love
See also Charity; Courtship; Friendship; Jealousy; Love poetry; Marriage; Mothers

Refer from Affection (s); Charity; Courtship; Emotions; Ethics; Friendship; Jealousy; Marriage; Women

Love, Courts of, *see* Courts of love
Love poetry
Refer from Love; Poetry; Poetry of love (s)

Low German language
See also Dutch language; Flemish language; Germanic languages; Old Saxon language
Refer from German language — Dialects; Germanic languages; Old Saxon language; Plattdeutsch (s)

Lower Silurian period *see* Geology, Stratigraphic — Ordovician
Loyalists, American
See also U. S.— History — Revolution
Refer from American loyalists (s); Biography; Tories, American (s); United empire loyalists (s); U. S.— Biography; U. S.—History—Revolution

Loyalty
See also Patriotism
Refer from Conduct of life; Ethics; Fidelity (s); Patriotism

Lubricants *see* Lubrication and lubricants
Lubrication and lubricants
See also Bearings (machinery); Friction; Oils and fats
Refer from Bearings (machinery); Friction; Grease (s); Lubricants (s); Machinery; Mechanical engineering; Oils and fats

Lucerne (plant) *see* Alfalfa
Luck *see* Chance; Fate and fatalism; Success
Luddites
See also Machinery in industry
Refer from Labor and laboring classes — England; Machinery in industry

Luggage *see* Baggage
Lullabies
Refer from Cradle songs (s); Folk songs; Slumber songs (s); Songs

Lumber and lumbering
See also Forests and forestry; Sawmills; Timber; Woodworking machinery
Refer from Clearing of land; Forest products; Forests and forestry; Logging (s); Lumbering (s); Timber; Trees; Wood

Lumbering *see* Lumber and lumbering
Luminiferous ether *see* Ether (of space)
Lunacy *see* Insanity
Lunar eclipses *see* Eclipses
Lunar theory *see* Moon
Lunatic asylums *see* Insane hospitals
Luncheons
See also Cookery; Menus; Sandwiches; School lunches
Refer from Cookery; Eating; Entertaining; Home economics; Meals (s); Menus; Table

Lungs
See also Auscultation; Breathing; Cough; Pneumonia; Respiratory organs; Tuberculosis
Refer from Breathing; Chest; Pneumonia; Respiratory organs; Tuberculosis

Lutheran church
See also Germany — Religious history; Reformation — Germany
Refer from Evangelical Lutheran church (s); Germany — Religious history; Reformation — Germany; Sects

Luxations *see* Dislocations
Luxury
See also Consumption (economics); Leisure class; Standard of living; Sumptuary laws; Wealth
Refer from Economics; Leisure class; Standard of living; Wealth

Lycanthropy *see* Werwolves
Lyceums
See also Lectures and lecturing
Refer from Education; Lectures and lecturing

Lying
See also Equivocation; Truth
Refer from Equivocation; Ethics; Falsehood (s); Lies (s); Truth

Lynch law
See also Vigilance committees
Refer from Capital punishment; Crime and criminals; Crowds; Law; Lynching (s); Mobs (s); Riots; Vigilance committees

Lynching *see* Lynch law

Lyric poetry

See also Ballads; Hymns; Minnesingers; Odes; Songs; Sonnets

Refer from Ballads; Odes; Poetry; Songs; Sonnets

Macadamized roads *see* Roads, Macadamized

Macaronic verse

Refer from Humor; Poetry

Machine design

See also Bearings (machinery); Belting; Bolts and nuts; Cams; Chains; Drafting room practice; Gearing; Machine shop practice; Machinery; Mechanical drawing; Mechanical movements; Screws

Refer from Bearings (machinery); Belting; Bolts and nuts; Cams; Chains; Design, Machine (s); Drafting room practice; Gearing; Machine shop practice; Machinery; Mechanical drawing; Mechanical engineering; Mechanical movements; Mechanics, Applied; Screws

Machine guns *see* Guns

Machine shop management

See also Machine shop practice; Scientific management

Refer from Machine shop practice; Machine shops; Management of factories, shops, etc. (s); Scientific management; Shop management (s); Works management (s)

Machine shop practice

See also Drafting room practice; Drilling (perforating); Dynamos; Engines; Forging; Foundry work; Grinding and polishing; Lathes; Machine design; Machine shop management; Machine tools; Machinery; Mechanical engineering; Pattern making; Planing machines; Sheet-metal work; Welding

Refer from Drilling (perforating); Grinding and polishing; Industrial arts; Lathes; Machine design; Machine shop management; Machine shops; Machine tools; Machinery; Mechanical engineering; Shop practice (s)

Machine shops

See also Machine shop management; Machine shop practice

Refer from Architecture; Shops (s)

Machine tools

See also Abrasives; Drilling (perforating); Electric driving; Grinding and polishing; Lathes; Machine shop practice; Milling machines; Planing machines; Punching machinery; Screw machines; Tool steel

Refer from Lathes; Machine shop practice; Machinery; Mechanical engineering; Milling machines; Planing machines; Screw machines; Tools

Machinery

See also Bearings (machinery); Belting; Calculating machines; Conveying machinery; Cranes, derricks, etc.; Cranks (machinery); Electric engineering; Electric machinery; Engineering; Engines; Excavating machinery; Fans, Mechanical; Farm implements and machinery; Friction; Gearing; Hoisting machinery; Hydraulic engineering; Hydraulic machinery; Inventions; Kinematics; Lathes; Locomotives; Looms; Lubrication and lubricants; Machine design; Machine shop practice; Machine tools; Machinery in industry; Manufactures; Mechanical engineering; Mechanical movements; Mechanics; Milling machines; Mills and millwork; Mining machinery; Motors; Patents; Pattern making; Planing machines; Power transmission; Printing presses; Pulleys; Pumps; Refrigeration and refrigerating machinery; Screw machines; Screws; Sewing machines; Shafting; Steam engines; Tabulating machines; Timekeepers; Tools; Typesetting machines; Valves and valve gears; Water wheels; Wheels; Windmills; Woodworking machinery

Refer from Engineering; Industrial arts; Instruments; Machine design; Machine shop practice; Machines (s); Manual training; Manufactures; Mechanical engineering; Mechanical movements; Mechanics; Mechanism (s); Mills and millwork; Motors; Power; Power transmission; Tools; Wheels

Machinery in industry

See also Luddites

Refer from Industry; Labor and laboring classes; Labor and machinery (s); Luddites; Machinery; Manufactures

Machines *see* Machinery
Madness *see* Insanity
Madonna *see* Mary, Virgin; Madonnas
Madonnas
See also Christian art and symbolism

Refer from Art; Christian art and symbolism; Jesus Christ in art; Madonna (s); Mary, Virgin; Mary, Virgin, in art (s); Paintings; Virgin Mary in art (s)

Maffia *see* Mafia
Mafia
See also Camorra; Sicily

Refer from Camorra; Crime and criminals; Maffia (s); Secret societies; Sicily

Magazines *see* Periodicals
Magi

Refer from Christmas; Jesus Christ — Birth; Wise men of the East (s)

Magic
See also Conjuring; Evil eye; Occult sciences; Witchcraft

Refer from Conjuring; Demonology; Illusions and hallucinations; Necromancy (s); Occult sciences; Superstition; Witchcraft

Magic lantern *see* Stereopticon
Magic squares

Refer from Mathematical recreations; Numbers; Squares, Magic (s)

Magistrates
See also Judges; Justices of the peace; Kings and rulers; Monarchy

Refer from Government; Judges; Law; Lawyers

Magna charta

Refer from Charters; England — Constitution; England — History — Plantagenets

Magnetic needle *see* Compass
Magnetic observations *see* Magnetism, Terrestrial — Observations
Magnetic separation of ores

Refer from Electrometallurgy; Magnetism; Metallurgy; Ore treatment

Magnetic surveys *see* Magnetism, Terrestrial — Observations
Magnetic variations *see* Magnetism, Terrestrial
Magnetism
See also Animal magnetism; Compass; Diamagnetism; Electricity; Electromagnets; Lodestone; Magnetic separation of ores; Magneto-optics; Physics

Refer from Diamagnetism; Electricity; Paramagnetism (s); Physics

——**Terrestrial**
See also Auroras; Compass

Refer from Auroras; Compass; Earth; Magnetic variations (s); Physical geography; Terrestrial magnetism (s)

———**Observations**

Refer from Magnetic observations (s); Magnetic surveys (s); Observations, Magnetic (s)

Magnetite *see* Lodestone
Magneto-optics
See also Electrons; Polarization (light)

Refer from Light; Magnetism; Polarization (light)

Magyar language *see* Hungarian language
Magyar literature *see* Hungarian literature
Mahommedanism *see* Mohammedanism
Mahrattas
See also Ethnology — India

Refer from Ethnology — India; India; Marathas (s)

Mail *see* Postal service
Mail order business
See also Advertising

Refer from Advertising; Business; Department stores

Maize *see* Corn
Majolica
See also Pottery

Refer from Pottery

Make-up, Theatrical
See also Acting; Cosmetics

Refer from Acting; Actors; Amateur theatricals; Cosmetics; Making-up, Theatrical (s); Stage make-up (s); Theater; Theatrical make-up (s)

Making-up, Theatrical, *see* Make-up, Theatrical
Malacology *see* Moilusks
Malaria
See also Mosquitoes

Refer from Ague (s); Chills and fever (s); Fever; Hygiene, Public; Malarial fever (s); Mosquitoes; Pathology

Malarial fever *see* Malaria
Malays
See also Head-hunters

Refer from Ethnology

Malpractice

Refer from Medical jurisprudence; Medicine — Practice

Malt
See also Beer; Brewing

Refer from Ale; Beer; Brewing; Enzymes

Malta, Knights of

Refer from Chivalry; Hospitallers (s); Knights and knighthood; Knights hospitallers (s); Knights of Malta (s); Knights of Rhodes (s); Knights of St. John of Jerusalem (s); Order of Malta (s); Order of St. John of Jerusalem (s); Religious orders; St. John of Jerusalem, Order of (s); Secret societies

Malthusianism
See also Population

Refer from Population

Mammals
See also Carnivora; Cetacea; Fur-bearing animals; Insectivora; Marsupialia; Primates; Quadrupeds; Rodents; Ungulata; Vertebrates; Zoology; *also* names of mammals, e.g. Bats, Elephants, Seals (animals)

Refer from Bats; Carnivora; Cetacea; Elephants; Insectivora; Marsupialia; Primates; Quadrupeds; Rodents; Ungulata; Vertebrates; Zoology

Mammoths
See also Paleontology

Refer from Elephants; Paleontology

Man
See also Anatomy; Anthropogeography; Anthropology; Anthropometry; Archaeology; Cannibalism; Civilization; Color of man; Creation; Dwarfs; Environment; Ethics; Ethnology; Eugenics; Evolution; Family; Folklore; Future life; Giants; Heredity; History; Hygiene; Life; Longevity; Manners and customs; Men; Monsters; Paleontology; Phrenology; Physiognomy; Physiology; Psychology; Race problems; Religion; Savages; Sex; Sociology; Soul; Vital statistics; Women; *also* names of races

Refer from Anthropology; Civilization; Ethnology; History; Human race (s); Life; Men; Natural history; Philosophy; Physiology; Primates; Sociology; Zoology

——Antiquity, *see* Man — Origin and antiquity

——Natural history, *see* Anthropology
——**Origin and antiquity**
See also Anatomy, Comparative; Archaeology; Cave dwellers; Creation; Evolution; Geology; Glacial period; Industries, Primitive; Lake dwellers and lake dwellings; Missing link; Stone age

Refer from Anatomy, Comparative; Antiquity of man (s); Archaeology; Creation; Evolution; Geology; Glacial period; Man — Antiquity (s); Origin of man (s); Preadamites (s); Prehistoric man (s); Primitive man (s); Stone age

Man with the iron mask *see* Iron Mask
Management of children *see* Children — Management
Management of factories, shops, etc., *see* Factory management; Machine shop management; Scientific management

Mandamus	*Refer from* Law
Maneuvers, Military, *see* Military maneuvers	
Manganese	
See also Metals	*Refer from* Metals
Mania *see* Insanity	
Manicheism	
See also Philosophy, Persian	*Refer from* Dualism; Philosophy; Philosophy, Persian; Theology
Manicuring	*Refer from* Hand; Toilet
Manly exercise *see* Gymnastics; Physical education; Sports	
Manners *see* Courtesy; Etiquet	
Manners and customs	
See also Amusements; April fools' day; Archaeology; Bohemianism; Burial; Cannibalism; Caste; Costume; Drinking customs; Dueling; Eating; Ethnology; Etiquet; Folklore; Funeral rites and ceremonies; Halloween; Holidays; Kissing; Marriage customs and rites; Mourning customs; National characteristics; Ordeals; Punishment; Rites and ceremonies; Salutations; Slang; Society; Tattooing; Tipping; Toasts; Valentine's day; Vendetta; *also* names of countries and cities, subhead Social life and customs	*Refer from* Anthropology; Archaeology; Ceremonies (s); Civilization; Customs (s); Ethics; Ethnology; Etiquet; Folklore; Man; Rites and ceremonies; Social life and customs (s); Sociology; Usages (s)
Manoeuvres, Military, *see* Military maneuvers	
Manors	
See also Feudalism	*Refer from* Feudalism; Land tenure; Middle ages
Mantels	
See also Fireplaces	*Refer from* Fireplaces; House decoration
Manual training	
See also Arts and crafts; Basketwork; Busy work; Cardboard construction; Carpentry; Drawing; Handicraft; Industrial education; Machinery; Modeling; Needlework; Paper work; Technical education; Trade schools; Weaving; Wood carving; Woodwork	*Refer from* Arts and crafts; Education; Handicraft; Industrial arts; Industrial education; Slojd (s); Sloyd (s); Technical education; Woodwork
Manufacturers	*Refer from* Biography; Manufactures
Manufactures	
See also Automobiles; Beverages; Boots and shoes; Box making; Buttons; Cables; Candles; Carriages; Cars; Chains; Chemistry, Technical; Clocks and watches; Clothing; Commerce; Confectionery; Cooperage; Cost accounting; Cutlery; Explosives; Factories; Factory system; Flour and flour mills; Fuel; Furniture; Gas; Glass manufacture; Hardware; Harness; Hats; Industrial arts; Iron industry; Labor and laboring classes; Lace; Leather; Linoleum; Liquors; Machinery; Machinery in industry; Manufacturers; Matches; Metal work; Metals; Mills and millwork; Paper; Patents; Pens; Perfumery; Pins and needles; Pottery; Prices; Receipts; Rope; Rubber; Scientific management; Soap; Stationery; Steel industry; Sweating system; Technology; Textile industry and fabrics; Timekeepers; Tobacco — Manufacture and trade; Trade-marks; Tubes; Waste products; *also* names of countries and states, subhead Industries and resources, and names of cities, subhead Industries	*Refer from* Business; Commerce; Commercial geography; Commercial products; Economics; Industrial arts; Machinery; Mills and millwork; Technology; Useful arts (s)

Manures *see* Fertilizers and manures

Manuscripts
See also Archives; Charters; Illumination of manuscripts and books; Inscriptions; Paleography; Parchment; Writing

Refer from Archives; Autographs; Bibliography; Books; History — Sources; Inscriptions; Literature; Paleography; Papyri (s); Writing

Maoris
See also Ethnology — New Zealand; New Zealand — History

Refer from Ethnology — New Zealand; New Zealand

Map drawing [elementary]
See also Topographical drawing

Refer from Drawing; Geography; Maps; Topographical drawing

Maps
See also Atlases; Charts; Globes; Map drawing; Road maps; *also* names of countries, subhead Description and travel — Maps, and names of cities, subhead Description — Maps

Refer from Atlases; Cartography (s); Chartography (s); Charts; Geography

Marathas *see* Mahrattas

Marble
See also Building stones

Refer from Building stones; Limestone; Sculpture; Stone

Marbling

Refer from Bookbinding; Painting, Mechanical; Paper

Marches (exercise) *see* Drills and marches

Marches (music)

Refer from Instrumental music

Marconigrams *see* Wireless telegraphy

Marine architecture *see* Shipbuilding

Marine biology
See also Algae; Aquatic plants; Dredging; Marine zoology; Plankton

Refer from Aquatic life (s); Aquatic plants; Biology; Dredging; Marine life (s); Marine zoology; Ocean; Ocean life (s); Plankton; Sea life (s); Seashore; Thalassography (s)

Marine boilers *see* Boilers, Marine

Marine botany *see* Algae; Aquatic plants

Marine engineering
See also Boilers, Marine; Marine engines; Propellers; Shipbuilding; Steam navigation; Steam turbines

Refer from Boilers, Marine; Engineering; Engineering, Marine (s); Marine engines; Mechanical engineering; Naval engineering (s); Steam navigation

Marine engines
See also Boilers, Marine; Gas and oil engines; Liquid fuel; Marine engineering; Steam engines; Steam turbines

Refer from Boilers, Marine; Engines; Marine engineering; Shipbuilding; Steam engines; Steam navigation; Steamboats

Marine fauna *see* Marine zoology

Marine flora *see* Algae; Aquatic plants

Marine hospitals *see* Hospitals, Naval and marine

Marine insurance *see* Insurance, Marine

Marine law *see* Maritime law

Marine life *see* Marine biology; Seafaring life

Marine painting
See also Painting

Refer from Painting

Marine plants *see* Algae; Aquatic plants

Marine surveying *see* Hydrography

Marine zoology
See also Aquariums; Brachiopoda; Cetacea; Coelenterata; Crustacea; Dredging; Echinodermata; Fish; Fresh-water fauna; Marine biology; Mollusks; Ocean; Plankton; Polyzoa; Protozoa; Seals (animals); Seashore; Sponges

Refer from Aquatic animals (s); Deep-sea fauna (s); Dredging; Fish; Marine biology; Marine fauna (s); Mollusks; Ocean; Pelagic fauna (s); Plankton; Seashore; Zoology

Mariner's compass *see* Compass

Marionettes *see* Puppet plays

Maritime law
See also Admiralty; Collisions at sea; Contraband of war; Impressment; Insur-

Refer from Admiralty; Commerce; Commercial law; Dominion of the sea (s); International

ance, Marine; International law; Mutiny; Neutrality; Pirates; Privateering; Prizes (international law); Salvage; Search, Right of; Shipping; Steamboat inspection

Maritime power *see* Sea power

Maritime surveying *see* Hydrography

Mark (land)
See also Village communities

Refer from Commons; Land tenure; Marks (land) (s); Village communities

Market gardening
See also Agriculture; Gardening; Greenhouses; Vegetables

Refer from Agriculture; Farm management; Gardening; Greenhouses; Truck farming (s); Vegetable gardening (s); Vegetables

Marketing

Refer from Food; Home economics

Marketing of farm produce
See also Agriculture; Farm management

Refer from Agricultural products; Agriculture; Commerce; Farm management; Farm products (s); Prices; Transportation

Markets
See also Slaughtering and slaughterhouses; *also* names of cities, subhead Markets

Refer from Business; Cities; Commerce; Food

Marks (land) *see* Mark (land)

Marks, Artists', *see* Artists' marks

Marks, Goldsmiths', *see* Hall marks

Marks, Printers', *see* Printers' marks

Maroons

Refer from Dutch Guiana; Fugitive slaves; Jamaica; Negroes

Marprelate controversy

Refer from Church of England — Doctrinal and controversial works; England — Religious history; Puritans

Marquetry *see* Inlay

Marriage
See also Adultery; Celibacy; Chastity; Consanguinity; Courtship; Divorce; Domestic relations; Eugenics; Family; Husbands; Illegitimacy; Love; Marriage customs and rites; Marriages, International; Polyandry; Polygamy; Sex; Sexual ethics; Wedding anniversaries; Weddings; Wives; Women

Refer from Christian antiquities; Church law; Consanguinity; Courtship; Divorce; Domestic relations; Ethics; Eugenics; Family; Home; Husband and wife (s); Husbands; Law; Love; Matrimony (s); Polygamy; Rites and ceremonies; Sacraments; Sex; Sexual ethics; Social problems; Sociology; Weddings; Wives; Women; Women — Law

Marriage customs and rites
See also Weddings

Refer from Bridal customs (s); Manners and customs; Marriage; Rites and ceremonies; Weddings

Marriage records *see* Vital records

Marriage statistics *see* Vital statistics

Marriages, International

Refer from International marriages (s); Marriage

Marsh gas *see* Fire damp

Marshes
See also Drainage; Reclamation of land

Refer from Bogs (s); Drainage; Fens (s); Morasses (s); Reclamation of land; Swamps (s)

Marsupialia
See also Mammals

Refer from Mammals; Pouched animals (s); Zoology — Australia

Martial law
See also Courts martial; Habeas corpus; Military government; Military law

Refer from Habeas corpus; Law; Military art and science; Military government; Military law; War

Martial music *see* Military music

Martyrs
See also Christian biography; Church history; Inquisition; Persecution; Saints

Refer from Christian biography; Church history; Heresy; Heroes; Inquisition; Persecution; Saints

Mary, Virgin
See also Immaculate conception; Jesus Christ; Madonnas

Refer from Catholic church; Immaculate conception; Jesus Christ; Madonna (s); Miracles; Virgin Mary (s)

——Legends
Refer from Legends

Mary, Virgin, in art, *see* Madonnas

Masks (for the face)
Refer from Costume

Masks (plays) *see* Masques (plays)

Mason and Dixon's line
Refer from Maryland — Boundaries; Pennsylvania — Boundaries; Slavery in the U. S.

Masonry
See also Arches; Bricklaying; Bricks; Bridges; Building; Building stones; Cement; Concrete; Dams; Foundations; Plaster and plastering; Stereotomy; Stone; Stonecutting; Strength of materials; Vaulting; Walls

Refer from Architecture; Bricklaying; Bricks; Bridges; Building; Building stones; Civil engineering; Concrete; Dams; Engineering; Foundations; Industrial arts; Stone; Strength of materials; Walls

Masons (secret order) *see* Freemasons

Masquerades
See also Balls (parties); Costume

Refer from Amusements; Balls (parties)

Masques (plays)
Refer from Drama; Masks (plays) (s); Theater

Mass
See also Catholic church — Liturgy and ritual; Lord's supper; Masses (music); Missals; Transubstantiation

Refer from Altars; Catholic church; Catholic church — Liturgy and ritual; Eucharist (s); Liturgies; Lord's supper; Missals; Rites and ceremonies; Theology; Transubstantiation

Massacres
See also names of massacres, e.g. Boston massacre; St. Bartholomew's day, Massacre of; Sicilian vespers; Wyoming massacre

Refer from Battles; History; Persecution

Massage
See also Mechanotherapy; Swedish movement cure

Refer from Mechanotherapy; Therapeutics

Masses (music)
Refer from Church music; Mass; Music

Master and servant
See also Apprentices; Domestic relations; Employers' liability; Servants

Refer from Contracts; Domestic relations; Employers' liability; Law; Servants

Mastersingers *see* Meistersingers

Matches
Refer from Chemistry, Technical; Manufactures

Materia medica
See also Dispensatories; Drugs, and names of drugs; Medical botany; Medicines, Proprietary; Pharmacy; Pharmacopoeias; Therapeutics

Refer from Dispensatories; Drugs; Medical botany; Medicine; Medicines (s); Pharmacy; Pharmacopoeias; Remedies (in medicine) (s); Therapeutics

Materialism
See also Animism; Encyclopedists; Epicureans; Evolution; Philosophy; Rationalism; Soul; Stoics

Refer from Animism; Atheism; Matter; Naturalism; Philosophy; Skepticism; Theology

Materials, Strength of, *see* Strength of materials

Maternity *see* Mothers

Mathematical drawing *see* Geometrical drawing; Mechanical drawing

Mathematical geography *see* Geography, Mathematical

Mathematical instruments
See also Calculating machines; Drawing instruments; Measuring instruments; Planimeter; Slide rule; Surveying instruments

Refer from Arithmetic; Arithmetical instruments (s); Instruments; Mathematics

Mathematical notation *see* Notation (mathematics)

Mathematical recreations
See also Magic squares

Refer from Amusements; Mathematics; Scientific recreations

Mathematical tables *see* Mathematics — Tables, etc.

Mathematicians

Refer from Mathematics; Scientists

Mathematics

See also Algebra; Arithmetic; Astronomy; Axioms; Calculating machines; Calculus; Conic sections; Engineering; Equations; Errors, Theory of; Fourth dimension; Geodesy; Geography, Mathematical; Geometry; Groups, Theory of; Least squares; Mathematical instruments; Mathematical recreations; Mathematicians; Mechanics; Mensuration; Metric system; Navigation; Notation (mathematics); Numbers; Numerals; Physics; Probabilities; Quaternions; Ready-reckoners; Surveying; Trigonometry

Refer from Algebra; Arithmetic; Conic sections; Geometry; Science; Trigonometry

——Tables, etc.

See also Interest tables; Logarithms; Traverse tables

Refer from Calculation — Aids (s); Logarithms; Mathematical tables (s); Ready-reckoners; Tables, Mathematical (s)

Matriarchy

Refer from Family; Government; Mothers; Women

Matrimony *see* Marriage

Matter

See also Atomic theory; Atoms; Capillarity; Compressibility; Dissociation; Dynamics; Elasticity; Electrons; Ether (of space); Force and energy; Gravitation; Hardness; Ions; Materialism; Molecules; Physics; Radioactivity; Solids; Specific gravity; Viscosity

Refer from Atoms; Compressibility; Dynamics; Gravitation; Mechanics; Metaphysics; Philosophy; Physics; Viscosity

Mausoleums *see* Tombs

Maxims

See also Epigrams; Proverbs; Quotations

Refer from Adages (s); Aphorisms (s); Apothegms (s); Epigrams; Laconics (s); Literature; Proverbs; Quotations; Sayings (s)

May day

Refer from Days; Festivals

Mayas

See also Central America — Antiquities; Guatemala; Indians of Central America; Indians of Mexico; Mexico — Antiquities; Yucatan

Refer from Central America — Antiquities; Guatemala; Indians of Central America; Indians of Mexico; Mexico — Antiquities; Yucatan

Meadows *see* Pastures and meadows

Meals *see* Breakfasts; Dinners and dining; Eating; Food; Luncheons; Table

Measles

Refer from Children — Diseases; Contagion and contagious diseases; Medicine — Practice

Measures *see* Mensuration; Weights and measures

Measuring instruments

See also Micrometer; Slide rule; Square (instrument)

Refer from Mathematical instruments; Weights and measures

Meat

See also Animal food; Beef; Carving (meat, etc.); Cold storage; Cookery — Meat; Meat inspection; Packing industry; Slaughtering and slaughterhouses

Refer from Animal food; Animal products; Beef; Food; Packing industry; Slaughtering and slaughterhouses

Meat inspection

See also Food adulteration and inspection; Slaughtering and slaughterhouses

Refer from Food adulteration and inspection; Hygiene, Public; Inspection of meat (s); Meat; Packing industry; Slaughtering and slaughterhouses

Mechanic arts *see* Industrial arts

Mechanical draft

See also Blowing engines; Combustion; Fans, Mechanical; Smoke

Refer from Combustion; Draft, Mechanical (s); Draught, Mechanical (s); Fans, Me-

chanical; Furnaces; Mechanical engineering; Smoke

Mechanical drawing
See also Architectural drawing; Drafting room practice; Drawing instruments; Geometrical drawing; Graphic statics; Graphics; Lettering; Machine design; Pattern making; Perspective; Projection

Refer from Architectural drawing; Drafting, Mechanical (s); Drafting room practice; Draughting, Mechanical (s); Drawing; Drawing instruments; Engineering; Geometrical drawing; Graphic statics; Graphics; Industrial drawing (s); Machine design; Mathematical drawing (s); Pattern making; Projection

Mechanical engineering
See also Boilers; Electric engineering; Engineering; Engines; Friction; Fuel; Hydraulic engineering; Locomotives; Lubrication and lubricants; Machine design; Machine shop practice; Machine tools; Machinery; Marine engineering; Mechanical draft; Mechanical movements; Mechanics; Mechanics, Applied; Power plants; Power transmission; Steam engines

Refer from Applied mechanics (s); Civil engineering; Engineering; Engineering, Mechanical (s); Engines; Industrial arts; Machine shop practice; Machinery; Mechanical movements; Mechanics, Applied; Power transmission

Mechanical fans *see* Fans, Mechanical

Mechanical movements
See also Cams; Gearing; Kinematics; Link motion; Machine design; Machinery; Mechanical engineering; Mechanics; Pulleys

Refer from Gearing; Kinematics; Link motion; Machine design; Machinery; Mechanical engineering; Mechanics; Mechanism (s); Motion

Mechanical painting *see* Painting, Mechanical

Mechanics
See also Aeronautics; Animal mechanics; Dynamics; Elasticity; Engineering; Fluids; Force and energy; Friction; Gases; Graphic statics; Hydraulics; Hydrodynamics; Hydrostatics; Kinematics; Liquids; Machinery; Matter; Mechanical movements; Motion; Motors; Perpetual motion; Physics; Power; Pulleys; Statics; Steam engines; Strength of materials

Refer from Dynamics; Engineering; Fluids; Force and energy; Hydraulics; Hydrodynamics; Hydrostatics; Kinematics; Machinery; Mathematics; Mechanical engineering; Mechanical movements; Motion; Physics; Power; Statics

——Applied
See also Machine design; Mechanical engineering; Power transmission; Strains and stresses

Refer from Applied mechanics (s); Engineering, Mechanical (s); Industrial arts; Mechanical engineering; Strains and stresses

——Celestial
See also Astronomy; Moon; Orbits; Perturbation; Planets

Refer from Astronomy; Celestial mechanics (s); Orbits; Perturbation

Mechanics (persons)

Refer from Biography

Mechanics' institutes

Refer from Education; Industrial education; Labor and laboring classes; Libraries; Technical education

Mechanics' liens *see* Liens

Mechanism *see* Machinery; Mechanical movements

Mechanotherapy
See also Gymnastics, Medical; Massage; Osteopathy; Swedish movement cure

Refer from Gymnastics, Medical; Massage; Movement cure (s); Osteopathy; Swedish movement cure; Therapeutics

Medals
See also Decorations of honor; Numismatics

Refer from Archaeology; Badges of honor (s); Decorations of honor; History; Numismatics

Mediaeval *see* Medieval

Medical anecdotes *see* Anecdotes, Medical

Medical biography *see* Physicians and surgeons

Medical botany
See also Botany, Economic; Dispensatories; Materia medica; Pharmacopoeias; Pharmacy; *also* names of medicinal plants, e.g. Ginseng

Refer from Botany; Botany, Economic; Botany, Medical (s); Drugs; Herbs, Medicinal (s); Materia medica; Medicinal plants (s); Pharmacy; Plants, Medicinal (s); Poisonous plants

Medical charities *see* Charities, Medical
Medical chemistry *see* Pharmacy; Physiological chemistry
Medical climatology *see* Climate; Medical geography
Medical colleges
See also Medicine — Study and teaching

Refer from Colleges and universities; Medical schools (s); Medical education (s); Medicine — Study and teaching

Medical education *see* Medical colleges; Medicine — Study and teaching
Medical delusions
See also Medical folklore; Medicine men; Quacks and quackery

Refer from Delusions (s); Errors, Popular; Medical folklore; Medicine — History

Medical directories *see* Physicians and surgeons
Medical electricity *see* Electrotherapeutics
Medical ethics
See also Physicians and surgeons

Refer from Ethics; Ethics, Medical (s); Physicians and surgeons; Professional ethics (s)

Medical folklore
See also Medical delusions

Refer from Folklore; Folklore of medicine (s); Medical delusions; Medical superstition (s)

Medical geography
See also Climate; Tropics — Diseases and hygiene

Refer from Climate; Geographical pathology (s); Geography; Geography, Medical (s); Medical climatology (s); Pathology; Tropics — Diseases and hygiene

Medical gymnastics *see* Gymnastics, Medical
Medical inspection of schools
See also School hygiene; School nurses

Refer from Children — Care and hygiene; Hygiene; Hygiene, Public; School children; School hygiene; School nurses; Schools — Medical inspection (s)

Medical jurisprudence
See also Autopsy; Chemistry, Legal; Expert evidence; Identification; Infanticide; Insanity; Malpractice; Poisons; Suicide; Survivorship

Refer from Chemistry, Legal; Expert evidence; Forensic medicine (s); Insanity; Jurisprudence, Medical (s); Law; Legal medicine (s); Poisons

Medical libraries
Refer from Libraries; Libraries, Medical (s)

Medical missions *see* Missions, Medical
Medical nomenclature *see* Medicine — Nomenclature
Medical research
See also Animal experimentation

Refer from Research; Scientific research

Medical schools *see* Medical colleges
Medical societies

Refer from Societies

Medical superstition *see* Medical folklore
Medical terminology *see* Medicine — Nomenclature
Medicinal plants *see* Medical botany
Medicine
See also Accidents; Allopathy; Anatomy; Anecdotes, Medical; Anesthetics; Antiseptics; Autopsy; Bacteriology; Bible — Medicine, hygiene, etc.; Charities, Medical; Contagion and contagious diseases; Dentistry; Diagnosis; First aid in illness and injury; Germ theory of disease; Histology; Homeopathy; Hospitals; Hygiene; Hygiene, Public; Indians — Medicine; Inoculation; Invalids; Materia medica; Medicine and religion; Medicine men; Microscope and microscopy; Mind and body; Missions, Medical; Narcotics; Naval hygiene; Nurses and nursing; Pathology; Pharmacy; Physi-

Refer from Homeopathy; Hygiene; Pathology; Physiology; Professions; Science; Surgery; Therapeutics

Medicine — Continued
cians and surgeons; Physiological chemistry; Physiology; Poisons; Quacks and quackery; Sanatoriums; Stimulants; Surgery; Therapeutics; Vaccination; Veterinary medicine; *also* headings beginning Medical

——Directories, *see* Physicians and surgeons

——**Eclectic** — *Refer from* Eclectic medicine (s)

——**History**
See also Epidemics; Medical delusions; Medicine, Medieval

——**Medieval** — *Refer from* Medicine — History
See also Elixir of life

——**Military** — *Refer from* Battlefield relief; Field hospitals (s); Military hygiene; Military medicine (s)
See also Battlefield relief; First aid in illness and injury; Military hygiene; Surgery, Military; *also* names of wars, subhead Medical and sanitary affairs

——**Nomenclature** — *Refer from* Medical nomenclature (s); Medical terminology (s); Names; Nomenclature (s); Terminology (s)

——**Practice** — *Refer from* Clinical medicine (s); Diagnosis; Diseases (s); Pathology; Therapeutics; Women — Diseases
See also Alcoholism; Apoplexy; Appendicitis; Asthma; Black death; Bones — Diseases; Bronchitis; Cancer; Catarrh; Children — Diseases; Cholera, Asiatic; Cold (disease); Contagion and contagious diseases; Croup; Deafness; Diabetes; Diagnosis; Diphtheria; Dyspepsia; Epilepsy; Erysipelas; Eye — Diseases and defects; Fever; Gout; Hay fever; Headache; Heatstroke; Hookworm disease; Hydrophobia; Hysteria; Idiocy; Influenza; Insanity; Insomnia; Leprosy; Malpractice; Measles; Meningitis; Mental diseases; Nervous system — Diseases; Neuralgia; Neurasthenia; Nurses and nursing; Obstetrics; Paralysis; Parasites; Pellagra; Plague; Pneumonia; Respiratory organs — Diseases; Rheumatism; Scarlet fever; Seasickness; Skin — Diseases; Sleeping sickness; Smallpox; Somnambulism; Surgery; Suspended animation; Tetanus; Therapeutics; Tropics — Diseases and hygiene; Tuberculosis; Tumors; Typhoid fever; Typhus fever; Varioloid; Voice; Women — Diseases; Yellow fever

——**Study and teaching** — *Refer from* Education, Medical (s); Medical colleges; Medical education (s); Professional education
See also Medical colleges

——Tropics, *see* Tropics — Diseases and hygiene

Medicine and religion — *Refer from* Church and healing (s); Emmanuel movement; Medicine; Religion and medicine (s)
See also Emmanuel movement; Faith cure

Medicine men — *Refer from* Conjuring; Indians — Medicine; Medical delusions; Witchcraft
See also Indians — Medicine

Medicines *see* Drugs; Materia medica; Medicines, Proprietary

Medicines, Proprietary — *Refer from* Drugs; Materia medica; Medicines (s); Patent medicines (s); Proprietary medicines (s); Quacks and quackery

Medieval architecture *see* Architecture, Medieval
Medieval art *see* Art, Medieval
Medieval civilization *see* Civilization, Medieval
Medieval history *see* Middle ages — History
Medieval literature *see* Middle ages — Literature
Medieval philosophy *see* Philosophy, Medieval

Meditations
See also Devotional exercises

Refer from Devotional exercises; Reflections (s)

Mediums *see* Spritualism
Meetings, Public, *see* Public meetings

Meistersingers
See also German poetry; Minnesingers

Refer from Bards; German poetry; Mastersingers (s); Minnesingers; Minstrels; Poets

Melancholy

Refer from Emotions; Mental diseases; Psychology; Temperament

Melody
See also Harmony

Refer from Composition (music); Harmony; Music; Music — Theory

Melting points

Refer from Chemistry, Physical; Heat; Temperature

Memoirs *see* Autobiography; Biography; *also* names of individuals

Memorial day

Refer from Decoration day (s); Holidays; U. S.— History — Civil war

Memory
See also Association of ideas; Attention; Mental discipline; Psychology

Refer from Association of ideas; Brain; Education; Intellect; Mental discipline; Mnemonics (s); Psychology; Psychology, Educational; Teaching

Men
See also Bachelors; Gentlemen; Husbands; Man; Young men

Refer from Man; Young men

Menageries
See also Circus; Vivariums; Zoological gardens

Refer from Animals; Animals in captivity (s); Circus; Vivariums; Zoological gardens; Zoology

Mendelism *see* Mendel's law

Mendel's law
See also Hybridization

Refer from Botany; Breeding; Evolution; Heredity; Hybridization; Mendelism (s); Plant breeding; Variation (biology); Zoology

Mendicity *see* Begging

Mending and repairing

Refer from Darning (s); Needlework; Repairing (s)

Meningitis

Refer from Brain; Cerebrospinal meningitis (s); Medicine — Practice; Spinal meningitis (s); Spine

Mennonites
See also Anabaptists

Refer from Amish Mennonites (s); Anabaptists; Baptists; Sects

Mensuration
See also Gaging; Geodesy; Metric system; Surveying; Weights and measures

Refer from Arithmetic; Civil engineering; Engineering; Geometry; Mathematics; Measures (s); Metrology (s); Trigonometry; Weights and measures

Mental aberration *see* Insanity; Mental diseases
Mental arithmetic *see* Arithmetic
Mental association *see* Association of ideas
Mental culture *see* Mental discipline
Mental derangements *see* Insanity; Mental diseases

Mental discipline
See also Attention; Education; Memory; Psychology, Educational; Self-culture

Refer from Discipline, Mental (s); Education; Memory; Mental culture (s); Mental training (s); Mind training (s); Psychology, Educational; Self-culture; Thought and thinking

Mental diseases
See also Aphasia; Brain; Feeble-minded; Hysteria; Idiocy; Illusions and hallucinations; Insanity; Melancholy; Mental hygiene; Nervous system — Diseases; Suicide

Refer from Aberration, Mental (s); Abnormal psychology (s); Brain; Diseases (s); Hysteria; Illusions and hallucinations; Insanity; Medicine — Practice; Mental aberration (s); Mental derangements (s); Mental hygiene; Mental pathology (s); Nervous system — Diseases; Pathological psychology (s); Psychiatry (s); Psychology; Psychology, Pathological (s); Psychology, Physiological; Psychosis (s)

Mental exhaustion *see* Fatigue, Mental
Mental fatigue *see* Fatigue, Mental
Mental healing
See also Animal magnetism; Christian science; Emmanuel movement; Faith cure; Hypnotism; Mental hygiene; Mind and body; New thought; Suggestive therapeutics

Refer from Absent treatment (s); Christian science; Faith cure; Healing, Mental (s); Health thoughts (s); Hypnotism; Mental hygiene; Mental therapeutics (s); Metaphysical healing (s); Mind and body; Mind cure (s); Psychology; Psychotherapy (s); Suggestion; Suggestive therapeutics; Therapeutics

Mental hygiene
See also Fatigue, Mental; Mental diseases; Mental healing; Mind and body; New thought; Rest; Worry

Refer from Fatigue, Mental; Hygiene; Hygiene, Mental (s); Mental diseases; Mental healing; Mind and body; Psychology; Suggestion

Mental overwork *see* Fatigue, Mental
Mental pathology *see* Mental diseases
Mental philosophy *see* Philosophy; Psychology
Mental physiology *see* Brain; Mind and body; Psychology, Physiological
Mental science *see* Psychology
Mental suggestion *see* Hypnotism; Suggestion
Mental therapeutics *see* Mental healing
Mental training *see* Mental discipline
Mentally deficient children *see* Children, Abnormal and backward; Defectives; Feeble-minded
Menus
See also Breakfasts; Catering; Dinners and dining; Luncheons; Table

Refer from Bills of fare (s); Breakfasts; Catering; Cookery; Diet; Dinners and dining; Eating; Entertaining; Home economics; Luncheons; Table

Mercantile law *see* Commercial law
Mercantile marine *see* Shipping
Mercenary troops

Refer from Armies; Military history; Soldiers

Mercerization

Refer from Cotton; Textile industry and fabrics

Merchandise *see* Commerce
Merchant marine *see* Shipping
Merchants
See also Business; Business ethics; Commerce; Commercial law; Commercial travelers; Peddlers and peddling

Refer from Biography; Business; Commerce

Mercury
See also Amalgams; Metals

Refer from Amalgamation; Amalgams; Metals; Mines and mineral resources; Quicksilver (s)

Mercy	*Refer from* Ethics
Mesmerism *see* Animal magnetism; Hypnotism	
Mesozoic era *see* Geology, Stratigraphic — Mesozoic; Paleontology — Mesozoic	
Messiah *See also* Jesus Christ; Jesus Christ — Messiahship	*Refer from* Jesus Christ; Jesus Christ — Messiahship; Jews; Jews — Religion
Metabolism *See also* Absorption (physiology); Botany — Physiology; Digestion; Nutrition; Physiological chemistry; Physiology; Plants — Chemistry and nutrition	*Refer from* Absorption (physiology); Anabolism (s); Assimilation (s); Biology; Botany — Physiology; Catabolism (s); Digestion; Katabolism (s); Nutrition; Physiological chemistry; Physiology; Plants — Chemistry and nutrition
Metachrosis *see* Color of animals; Mimicry (biology)	
Metal coloring *See also* Bronzing; Coppersmithing; Gilding; Goldsmithing; Metal work; Silversmithing	*Refer from* Bronzing; Coloring of metals (s); Coppersmithing; Gilding; Goldsmithing; Ironwork; Metal work; Metallochromy (s); Plating; Silversmithing
Metal corrosion *see* Corrosion and anti-corrosives	
Metal protection *see* Corrosion and anti-corrosives	
Metal work *See also* Arts and crafts; Brasses; Bronzes; Coppersmithing; Cutlery; Damaskeening; Dies; Goldsmithing; Hardware; Ironwork; Jewelry; Metal coloring; Pewter; Plate; Plate-metal work; Plating; Punching machinery; Repoussé work; Sheet-metal work; Silversmithing; Solder and soldering; Welding	*Refer from* Architecture; Arts and crafts; Decoration and ornament; Dies; Hardware; Industrial arts; Ironwork; Manufactures; Metal coloring; Metals; Plate-metal work; Repoussé work; Sheet-metal work
Metallochromy *see* Metal coloring	
Metallography *See also* Alloys; Iron; Steel	*Refer from* Alloys; Iron; Metals; Micrographic analysis (s); Microscope and microscopy; Microscopic analysis (s); Steel
Metallurgy *See also* Alloys; Amalgamation; Assaying; Blast furnaces; Chemical engineering; Chemistry, Technical; Cyanide process; Electrometallurgy; Furnaces; Magnetic separation of ores; Metals; Ore treatment; Ores; Smelting; *also* names of metals	*Refer from* Alloys; Assaying; Chemical engineering; Chemistry; Chemistry, Technical; Cyanide process; Electrometallurgy; Furnaces; Industrial arts; Metals; Ore treatment; Ores; Smelting; Technology
Metals *See also* Alchemy; Alloys; Amalgams; Annealing; Assaying; Blowpipe; Chemistry, Inorganic; Corrosion and anti-corrosives; Foundry work; Geology, Economic; Hardware; Metal work; Metallography; Metallurgy; Mineralogy; Mines and mineral resources; Ore deposits; Ores; Pattern making; Periodic law; Precious metals; Slag; Smelting; Solder and soldering; Strength of materials; Welding; Wire; *also* names of metals and alloys, e.g. Aluminium; Brass; Bronze; Cobalt; Copper; Iron; Lead; Manganese; Mercury; Nickel; Platinum; Steel; Tin; Zinc	*Refer from* Aluminium; Chemical elements; Chemistry, Inorganic; Cobalt; Copper; Geology; Geology, Economic; Iron; Lead; Manganese; Manufactures; Mercury; Metallurgy; Mineralogy; Mines and mineral resources; Nickel; Ores; Platinum; Steel; Tin; Zinc
Metamorphic rocks *see* Rocks	
Metaphor *See also* Rhetoric	*Refer from* Rhetoric
Metaphysical healing *see* Mental healing	

Metaphysics
See also Absolute, The; Being; Belief; Causation; Consciousness; Force and energy; Infinite; Knowledge; Life; Matter; Monadology; Monism; Necessity; New thought; Personality; Philosophy; Pluralism; Psychology; Reality; Soul; Space; Teleology; Time; Universe

Refer from Absolute, The; Being; Causation; Epistemology (s); God; Infinite; Knowledge; Monism; Ontology (s); Philosophy; Psychology; Reality; Teleology; Universe

Metempsychosis *see* Transmigration

Meteoritic hypothesis
See also Meteors; Nebulae

Refer from Astronomy; Meteors; Nebulae; Solar system; Universe

Meteorites
See also Meteors

Refer from Aerolites (s); Astronomy; Meteors

Meteorological instruments
See also Anemometer; Barometer; Thermometer

Refer from Anemometer; Barometer; Instruments; Meteorology; Thermometer

Meteorological observatories
See also Meteorology — Observations

Refer from Meteorology — Observations; Observatories, Meteorological (s)

Meteorology
See also Air; Atmospheric electricity; Atmospheric nucleation; Auroras; Climate; Clouds; Cold; Cyclones; Dew; Droughts; Evaporation; Floods; Fog; Frost; Hail; Heat; Humidity; Hurricanes; Hygrometry; Ice; Lightning; Meteorological instruments; Ocean; Physical geography; Rain; Rainbow; Seasons; Snow; Storms; Sun spots; Temperature; Thunderstorms; Tornadoes; Waterspouts; Weather; Weather forecasts; Weather lore; Winds; *also* names of countries, subhead Meteorology

Refer from Aerology (s); Air; Atmosphere (s); Climate; Clouds; Earth; Floods; Fog; Humidity; Physical geography; Physics; Rain; Science; Sky (s); Snow; Storms; Temperature; Water; Waterspouts; Weather; Winds

——Observations
See also Meteorological observatories

Refer from Meteorological observatories; Observations, Meteorological (s)

——U. S.
See also U. S. — Climate

Refer from U. S. — Climate; U. S. — Meteorology (s)

Meteors
See also Astronomy; Meteorites; Meteoritic hypothesis

Refer from Astronomy; Falling stars (s); Fire balls (s); Meteorites; Meteoritic hypothesis; Shooting stars (s); Stars

Meter
See also Poetry; Prosody; Rhythm; Versification

Refer from Metre (s); Poetry; Prosody; Rhythm; Versification

Meters *see* Electric meters; Gas meters; Water meters; Wattmeter; etc.

Methodism
See also Episcopacy; Methodist Episcopal church; Wesleyan Methodist church

Refer from Church polity; Dissenters; Episcopacy; Methodist Episcopal church

Methodist Episcopal church
See also Bishops; Methodism

Refer from Episcopal church (s); Methodism; Sects; Wesleyans (s)

Metre *see* Meter

Metric system
See also Decimal system; Weights and measures

Refer from Arithmetic; Decimal system; Mathematics; Mensuration; Units; Weights and measures

Metrology *see* Mensuration; Weights and measures

Mexican boll weevil *see* Boll weevil

Mexican cotton-boll weevil *see* Boll weevil

Mexican war, 1846–1848, *see* U. S. — History — War with Mexico

Mezzotint *see* Engraving

Mica
Refer from Isinglass (s); Mineralogy

Mice
See also Rodents
Refer from Household pests; Mouse (s); Rodents

Microbes *see* Bacteriology; Fungi

Microchemistry
Refer from Chemistry; Chemistry — Analysis; Microscope and microscopy

Micrographic analysis *see* Metallography; Microscope and microscopy

Micrometer
Refer from Measuring instruments; Surveying instruments

Micro-organisms *see* Animalcules; Bacteriology

Microphone
Refer from Electricity; Telephone

Microphotography *see* Photomicrography

Microscope and microscopy
See also Bacteriology; Histology; Metallography; Microchemistry; Photomicrography
Refer from Animalcules; Bacteriology; Biology; Botany; Histology; Medicine; Micrographic analysis (s); Microscopic analysis (s); Microscopy (s); Natural history; Optical instruments; Photomicrography; Science; Zoology

Microscopic analysis *see* Metallography; Microscope and microscopy

Microscopic anatomy *see* Histology

Microscopy *see* Microscope and microscopy

Middle ages
See also Chivalry; Feudalism; Fifteenth century; Inquisition; Manors; Monasticism; Renaissance
Refer from Archaeology; Chivalry; Dark ages (s); Feudalism; Renaissance

——Architecture, *see* Architecture, Medieval

——Art, *see* Art, Medieval

——Civilization, *see* Civilization, Medieval

——**History**
See also Byzantine empire; Church history — Middle ages; Crusades; Hanseatic league; Holy Roman empire; Moors in Spain; Northmen; Teutonic knights
Refer from Byzantine empire; Church history — Middle ages; Crusades; Europe — History — 476–1492 (s); Hanseatic league; History; History, Medieval (s); Holy Roman empire; Medieval history (s)

——**Literature**
See also Anglo-Saxon literature; Arthurian romances; Charlemagne — Romances; English literature — History and criticism — Middle English
Refer from Literature, Medieval (s); Medieval literature (s)

——**Social life and customs**
See also Chivalry

Middle English language *see* English language — Middle English

Middle English literature *see* English literature — History and criticism — Middle English

Middle states
See also Cumberland road; Northwest Territory, U. S.; *also* names of states
Refer from Central states (s); Northwest Territory, U. S.

Midwifery *see* Obstetrics

Migration of animals *see* Animals — Migration

Migration of birds *see* Birds — Migration

Migration of nations
See also Anthropogeography; Anthropology; Barbarian invasions of Rome; Ethnology; Immigration and emigration
Refer from Anthropogeography; Anthropology; Barbarian invasions of Rome; Civilization; Ethnology; Europe — History — To 476; History; Immigration and emigration

Migration of plants *see* Plants — Migration

Mildew
See also Fungi; Plants — Diseases
Refer from Fungi; Plants — Diseases

Militarism
See also Armies; Disarmament; Navies; Peace; War
Refer from Armies; Disarmament; International relations; Navies; Peace; War

Military aeronautics *see* Aeronautics, Military

Military architecture
See also Armories; Arsenals; Barracks; Castles; Fortification; Military engineering

Refer from Architecture; Architecture, Military (s); Armories; Arsenals; Barracks; Castles; Fortification; Military engineering

Military art and science
See also Aeronautics, Military; Ammunition; Archery; Armies; Arms and armor; Artillery; Artillery drill and tactics; Battles; Bounties, Military; Bugle calls; Camps (military); Cavalry; Cavalry drill and tactics; Chariots; Coast defense; Concentration camps; Conscription; Disarmament; Drill (military); Explosives; Fencing; Firearms; Flags; Fortification; Guerrillas; Gunnery; Hospitals, Military; Imaginary wars and battles; Infantry; Infantry drill and tactics; Martial law; Militia; Mines, Military; Naval art and science; Ordnance; Prisoners of war; Projectiles; Railroads, Military; Rifle practice; Scouts and scouting; Sieges; Signals; Soldiers; Spies; Tactics; Target practice; Tents; Torpedoes; War; War games; *also* headings beginning Military

Refer from Armies; Army (s); Artillery; Cavalry; Drill (military); Fighting (s); Infantry; Military power (s); Military science (s); Ordnance; Science; Sieges; Soldiers; Strategy (s); Tactics; War

Military biography
See also Generals; Soldiers

Refer from Biography; Generals; Military history; Soldiers

Military bounties *see* Bounties, Military

Military bridges

Refer from Bridges; Military engineering

Military costume *see* Arms and armor; Uniforms

Military education

Refer from Education; Education, Military (s); Military schools (s); Military training (s)

Military engineering
See also Coast defense; Engineering; Fortification; Military architecture; Military bridges; Mines, Military; Railroads, Military

Refer from Engineering; Engineering, Military (s); Military architecture; Mines, Military

Military government
See also Martial law

Refer from Colonies and colonization; Government; Martial law

Military history
See also Battles; History; Mercenary troops; Military biography; Naval history; Sieges; *also* names of wars, battles, places besieged, generals, etc., and names of countries, subheads Army, and History, Military

Refer from Battles; History; History, Military (s); Naval history; Wars (s)

Military hospitals *see* Hospitals, Military

Military hygiene
See also Battlefield relief; Medicine, Military; Naval hygiene; Surgery, Military; *also* subhead Medical and sanitary affairs under particular wars

Refer from Armies; Battlefield relief; Hygiene; Hygiene, Military (s); Hygiene, Public; Medicine, Military; Naval hygiene; Occupations — Diseases and hygiene; Sanitation

Military law
See also Courts martial; International law; Martial law; Mutiny

Refer from Courts martial; International law; Law; Martial law

Military life *see* Army life

Military maneuvers
See also War games; Tactics

Refer from Armies; Maneuvers, Military (s); Manoeuvres, Military (s); Tactics; War games

Military medicine *see* Medicine, Military

Military music
See also Bands (music); Bugle calls; Instrumentation and orchestration

Refer from Bands (music); Bugle calls; Instrumental music; Martial music (s); Music

Military power *see* Armies; Disarmament; Military art and science; Navies; Sea power	
Military railroads *see* Railroads, Military	
Military schools *see* Military education	
Military science *see* Military art and science	
Military service	
See also Conscription; Recruiting and enlistment	*Refer from* Armies; Army life; Conscription; Recruiting and enlistment
Military surgery *see* Surgery, Military	
Military tactics *see* Tactics	
Military training *see* Military education	
Military trials *see* Courts martial	
Military uniforms *see* Uniforms	
Militia	
See also Naval militia; *also* names of states and countries, subhead Militia	*Refer from* Armies; Military art and science
Milk	
See also Butter; Cheese; Cows; Cream; Cream separators; Dairy bacteriology; Dairy products; Dairying; Kumiss; Milk supply; Milking	*Refer from* Beverages; Cows; Cream; Dairy products; Dairying; Food
Milk supply	*Refer from* Food adulteration and inspection; Hygiene, Public; Milk
Milking	
See also Dairying	*Refer from* Cows; Dairying; Milk
Milky way	
See also Astronomy	*Refer from* Astronomy; Galaxy (s); Stars
Millennial church *see* Shakers	
Millennium	
See also Christadelphians; Future life; Jesus Christ; Second advent	*Refer from* Eschatology; Future life; Jesus Christ; Second advent; Theology
Millerites *see* Second adventists	
Millinery	
See also Artificial flowers; Costume; Feathers; Hats; Headgear	*Refer from* Costume; Domestic arts; Hats; Headgear
Milling (flour) *see* Flour and flour mills	
Milling machines	
See also Machine tools	*Refer from* Machine tools; Machinery
Millionaires	
See also Capitalists and financiers; Wealth	*Refer from* Biography; Capitalists and financiers; Fortunes (s); Wealth
Mills and millwork	
See also Factories; Flour and flour mills; Machinery; Manufactures; Rolling mills; Sawmills; Scientific management; Textile factories	*Refer from* Architecture; Factories; Industrial arts; Machinery; Manufactures
Mimicry	
See also Caricature and cartoons; Imitation	*Refer from* Caricature and cartoons; Imitation
Mimicry (biology)	
See also Animals — Habits and behavior; Color of animals	*Refer from* Animals; Animals — Habits and behavior; Biology; Color of animals; Evolution; Metachrosis (s); Protective mimicry (s)
Mind *see* Intellect; Psychology	
Mind and body	
See also Brain; Christian science; Dreams; Dualism; Emmanuel movement; Ennui; Fatigue, Mental; Hypnotism; Inhibition; Insanity; Mental healing; Mental hygiene; Monism; Nervous system; New thought; Phrenology; Psychology; Psychology, Physiological; Subconsciousness; Suggestion; Worry	*Refer from* Body and mind (s); Brain; Dualism; Hygiene; Hypnotism; Insanity; Medicine; Mental healing; Mental hygiene; Mental physiology (s); Monism; Nervous system; Philosophy; Physiology; Psychology; Psychology, Physiological
Mind cure *see* Mental healing	
Mind in animals *see* Animal intelligence	

Mind reading
See also Clairvoyance; Hypnotism; Psychical research; Thought transference

Refer from Clairvoyance; Psychical research; Psychology; Spiritualism; Telepathy (s); Thought transference

Mind training *see* Mental discipline

Mine accidents
See also Fire damp; Mine fires; Safety lamps; *also* names of special mine disasters

Refer from Accidents; Coal mines and mining; Disasters; Explosions; Fire damp; Mine explosions (s); Mine fires; Mines and mineral resources; Mining accidents (s); Occupations, Dangerous; Safety lamps

Mine explosions *see* Mine accidents; Mine fires

Mine fires
See also Fire damp; Mine accidents; Safety lamps

Refer from Fire damp; Fires; Mine accidents; Mine explosions (s); Mines and mineral resources; Safety lamps

Mine labor *see* Miners

Mine planting *see* Mines, Military

Mine surveying

Refer from Mines and mineral resources; Mining engineering; Surveying

Mine ventilation
See also Fire damp

Refer from Fire damp; Mines and mineral resources; Mining engineering; Ventilation; Ventilation of mines (s)

Mineral lands *see* Mines and mineral resources; Ore deposits

Mineral oils *see* Oils and fats; Petroleum

Mineral resources *see* Mines and minera resources

Mineral springs *see* Mineral waters

Mineral waters
See also Beverages; Geology, Economic; Health resorts; Sanatoriums; Sulphur springs

Refer from Beverages; Geochemistry; Geology, Economic; Health resorts; Hydrotherapy; Mineral springs (s); Springs; Sulphur springs; Therapeutics; Water

Mineralogy
See also Abrasives; Assaying; Blowpipe; Crystallography; Gems; Geochemistry; Geology; Hardness; Metals; Mines and mineral resources; Ores; Precious stones; Rare earths; Rocks; Stone; *also* names of minerals, e.g. Asbestos, Coal, Diamonds, Mica

Refer from Blowpipe; Chemical geology (s); Chemistry; Chemistry — Analysis; Chemistry, Inorganic; Crystallography; Diamonds; Geochemistry; Geology; Metals; Minerals (s); Mines and mineral resources; Natural history; Ores; Precious minerals (s); Rare earths; Rocks; Science

Minerals *see* Mineralogy; Mines and mineral resources; Ores

Miners

Refer from Coal mines and mining; Labor and laboring classes; Mine labor (s); Mines and mineral resources; Mining life (s)

Mines, Military
See also Blasting; Explosives; Military engineering; Mines, Submarine

Refer from Blasting; Explosives; Fortification; Military art and science; Military engineering; Mine planting (s); Sieges; Tunnels

Mines, Submarine
See also Torpedoes

Refer from Coast defense; Mines, Military; Naval art and science; Submarine mines (s); Submarine warfare; Torpedoes

Mines and mineral resources
See also Coal mines and mining; Copper mines and mining; Geology, Economic; Gold mines and mining; Hydraulic mining; Iron mines and mining; Lead mines and mining; Mercury; Metals; Mine accidents; Mine fires; Mine surveying; Mine ventilation; Mineralogy; Miners; Mining engineering; Mining laws; Mining machinery;

Refer from Conservation of resources; Earth; Geology, Economic; Hydraulic mining; Metals; Mineral lands (s); Mineral resources (s); Mineralogy; Minerals (s); Mining (s); Natural resources; Ore deposits; Ores; Precious minerals (s); Prospecting; Quarries and quarrying

Mines and mineral resources — Continued
Natural resources; Ore deposits; Ores; Precious metals; Prospecting; Quarries and quarrying; Salt; Shaft sinking; Silver mines and mining; Sulphur; Tin; Zinc
——U. S.

Refer from U. S.— Industries and resources; U. S.— Mines and mineral resources (s)

Miniature painting
Refer from Art; Painting; Portrait painting

Mining *see* Mines and mineral resources; Mining engineering
Mining accidents *see* Mine accidents
Mining engineering
See also Blasting; Boring; Explosives; Electricity in mining; Hydraulic mining; Mine surveying; Mine ventilation; Mining machinery; Mining schools and education; Rock drills; Shaft sinking; Tunnels

Refer from Blasting; Civil engineering; Coal mines and mining; Electricity in mining; Engineering; Engineering, Mining (s); Hydraulic engineering; Mines and mineral resources; Mining (s); Shaft sinking; Tunnels

Mining laws
Refer from Labor laws; Law; Mines and mineral resources

Mining life *see* Miners
Mining machinery
See also Conveying machinery; Electricity in mining; Excavating machinery; Hoisting machinery; Rock drills

Refer from Conveying machinery; Electricity in mining; Excavating machinery; Hoisting machinery; Machinery; Mines and mineral resources; Mining engineering; Rock drills

Mining schools and education
Refer from Mining engineering; Technical education

Ministers of state
See also Ambassadors; Chancellors, Lord; Diplomacy; International law; International relations; Prime ministers; Treaties

Refer from Biography; Statesmen

Ministers of the gospel *see* Clergy; Preachers; Priests
Minnesingers
See also German poetry; Meistersingers

Refer from Bards; German poetry; Lyric poetry; Meistersingers; Minstrels; Poetry; Poets

Minorites *see* Franciscans
Minority representation *see* Proportional representation
Minstrel shows
Refer from Amusements; Negro minstrels (s); Theater

Minstrels
See also Bards; Meistersingers; Minnesingers; Troubadours; Trouvères; Wayfaring life

Refer from Bards; Poets; Wayfaring life

Mints
See also Coinage

Refer from Coinage; Money

Miocene period *see* Geology, Stratigraphic — Miocene; Paleontology — Miocene
Miracle, morality and mystery plays
See also Drama; Passion plays

Refer from Drama; English drama; Morality plays (s); Mysteries (dramatic) (s); Mystery plays (s); Passion plays; Theater

Miracles
See also Christianity — Evidences; Holy wells; Jesus Christ — Miracles; Mary, Virgin; Relics; Saints; Shrines; Spiritualism; Supernatural

Refer from Bible; Catholic church; Christianity; Christianity — Evidences; Church history; Divine healing (s); Faith cure; Jesus Christ; Relics; Religion; Shrines; Supernatural; Theology

Mirage
Refer from Deserts; Optical illusions

Mirrors
Refer from Aberration; Furniture; Glass manufacture; Looking-glasses (s)

Misers
See also Avarice

Refer from Avarice; Thrift; Wealth

Misfortune
See also Affliction
Misrepresentation *see* Fraud
Missals
See also Catholic church — Liturgy and ritual; Liturgies; Mass

Missing link

Missionaries
See also Christian biography; Missions; Student volunteer movement
Missionary societies
Missions
See also Bible — Publication and distribution; Conversion; Evangelistic work; Indians — Missions; Missionaries; Missionary societies; Revivals; Student volunteer movement; Tract societies; *also* names of churches and religious orders, subhead Missions, e.g. Catholic church — Missions; Church of England — Missions; Jesuits — Missions
——**Foreign**
See also Missions, Medical; Student volunteer movement
——**Home**
See also City missions; Indians — Missions
——**Medical**

——**Seamen**

Missouri compromise
See also Kansas-Nebraska bill; U. S.— History — 1815–1861
Mistakes *see* Blunders; Errors, Popular; Errors and blunders, Literary
Mitosis *see* Karyokinesis
Mnemonics *see* Memory
Mobs *see* Crowds; Lynch law; Riots
Mock trials *see* Moot courts
Modeling
See also Arts and crafts; Plaster casts; Sculpture

Modern history *see* History, Modern
Modern philosophy *see* Philosophy, Modern
Modernism

Modulation
See also Harmony

Moghul empire *see* Mogul empire
Mogul empire
See also India — History

Mohammedan architecture *see* Architecture, Mohammedan
Mohammedanism
See also Arabs; Babism; Caliphs; Dervishes; Koran; Mecca; Moors; Moors in Spain; Mosques; Panislamism; Saracens; Sufism; Turkey — History; Wahabis

Refer from Adversity (s); Affliction; Trouble (s)

Refer from Catholic church — Liturgy and ritual; Church music; Illumination of manuscripts and books; Liturgies; Mass
Refer from Evolution; Man — Origin and antiquity

Refer from Christian biography; Evangelists (s); Heroes; Missions
Refer from Missions; Societies

Refer from Christianity; Church extension (s); Church history; Church work; Conversion; Evangelistic work; Missionaries; Religion

Refer from Foreign missions (s)

Refer from Home missions (s)

Refer from Charities, Medical; Medical missions (s); Medicine; Missions, Foreign
Refer from Fishermen; Sailors; Sailors' missions (s); Seamen's missions (s)

Refer from Missouri — History; Slavery in the U. S.; U. S.— History — 1815–1861

Refer from Arts and crafts; Clay; Clay modeling (s); Manual training; Plaster casts; Sculpture

Refer from Bible — Criticism and interpretation; Catholic church; Liberalism; Religion and science; Theology

Refer from Harmony; Music; Music — Theory

Refer from India — History; Moghul empire (s); Mongols

Refer from Arabs; Babism; Caliphs; Dervishes; Islam (s); Koran; Mahommedanism (s); Moors; Moslems (s); Muhammedanism (s); Muslims (s); Musselmans (s); Polygamy; Religions; Saracens; Sufism; Wahabis

Moisture of soils *see* Soil moisture
Moisture of the air *see* Humidity

Molasses
See also Sorghum

Refer from Sorghum; Sugar; Syrups; Treacle (s)

Mold
See also Fungi

Refer from Fungi; Mould (s)

——Vegetable, *see* Soils
Molding *see* Foundry work

Moldings
See also Architecture

Refer from Architecture; Carpentry; Decoration and ornament; Mouldings (s)

Molecules
See also Atoms; Chemistry; Chemistry, Physical; Physics; Stereochemistry

Refer from Atoms; Chemistry; Chemistry, Physical; Matter; Physics

Mollusks
See also Bivalves; Cephalopoda; Gasteropoda; Invertebrates; Marine zoology; Oysters; Pearls

Refer from Bivalves; Cephalopoda; Conchology (s); Gasteropoda; Invertebrates; Malacology (s); Marine zoology; Shells (conchology) (s)

——**Fossil**

Refer from Fossil mollusks (s); Invertebrates, Fossil; Paleontology

Monachism *see* Monasticism
Monadism *see* Monadology

Monadology

Refer from Metaphysics; Monadism (s); Monads (philosophy) (s); Philosophy; Universe

Monads (philosophy) *see* Monadology
Monarchs *see* Kings and rulers

Monarchy
See also Coronations; Courts and courtiers; Democracy; Despotism; Divine right of kings; Emperors; Government; Kings and rulers; Princes and princesses; Queens and empresses; Regency; Tyranny

Refer from Constitutional law; Democracy; Despotism; Divine right of kings; Executive power; Government; Kings and rulers; Kingship (s); Magistrates; Princes and princesses; Queens and empresses; Royalty (s); Rulers (s); Sovereigns (s)

Monasteries
See also Abbeys; Convents and nunneries; Monasticism

Refer from Abbeys; Catholic church; Church property; Cloisters (s); Convents and nunneries; Monasticism

Monastic orders *see* Monasticism; Religious orders

Monasticism
See also Asceticism; Augustinians; Benedictines; Brotherhoods; Buddhism; Capuchins; Carthusians; Celibacy; Cistercians; Convents and nunneries; Dominicans; Franciscans; Jesuits; Monasteries; Nuns; Religious orders; Sisterhoods; Trappists

Refer from Asceticism; Augustinians; Benedictines; Brotherhoods; Capuchins; Carthusians; Catholic church; Catholic church — Clergy; Celibacy; Christian biography; Christian life and character; Church discipline; Church history; Church polity; Cistercians; Clergy; Convents and nunneries; Dominicans; Franciscans; Friars (s); Middle ages; Monachism (s); Monasteries; Monastic orders (s); Monks (s); Orders, Monastic (s); Religion; Religious orders

Money
See also Bank notes; Banks and banking; Bimetallism; Business; Capital; Checks; Coinage; Commerce; Counterfeits; Credit; Decimal system; Exchange; Finance; Foreign exchange; Gold (as money); Greenbacks; Interest; Investments; Legal tender; Mints; Numismatics; Paper money; Prices; Shell money; Silver (as money); Stock exchange; Wampum; Wealth

Refer from Banks and banking; Bills of credit (s); Bills of exchange (s); Bimetallism; Bullion (s); Business; Capital; Coinage; Commerce; Counterfeits; Credit; Currency (s); Economics; Exchange; Finance; Foreign exchange; Gold (as money); Legal tender; Numismatics; Paper money; Precious metals; Silver (as money); Specie (s); Standard of value (s); Stock exchange; Value; Wealth

Money — Continued
——**U. S.**
See also Banks and banking — U. S.; Coinage — U. S.; Greenbacks

Refer from Coinage — U. S.; Greenbacks; Resumption of specie payment (s); Specie payment (s); Silver question (s); U. S.— Currency question (s); U. S.— Economic conditions; U. S.— Finance; U. S.— Money (s)

Mongols
See also China — History; Mogul empire; Mongolia; Tartars

Refer from China — History; Mongolia; Tartars; Yellow races

Monism
See also Metaphysics; Mind and body; Pantheism

Refer from Dualism; Metaphysics; Mind and body; Pantheism; Philosophy; Universe

Monkeys
See also Apes; Gorillas; Primates

Refer from Apes; Primates

Monks *see* Hermits; Monasticism

Monograms
See also Artists' marks; Initials; Lettering

Refer from Decoration and ornament; Initials; Lettering

Monologues
See also Recitations and readings

Refer from Amateur theatricals; Drama; Impersonation (s); Recitations and readings

Monoplanes *see* Aeroplanes

Monopolies
See also Capital; Competition; Government ownership; Municipal ownership; Privileged classes; Restraint of trade; Trusts

Refer from Capital; Commerce; Competition; Corners, Commercial (s); Economics; Forestalling (s); Privileged classes; Restraint of trade; Trusts

Monorailways *see* Railroads — Single rail; Suspended railways

Monotheism
See also God

Refer from God; Theology

Monotype *see* Typesetting machines

Monroe doctrine
See also Drago doctrine; Intervention

Refer from International law; International relations; Intervention; Latin America; U. S. — Foreign relations

Monsters
See also Deformities; Dragons; Dwarfs; Giants; Sea serpents

Refer from Deformities; Man; Monstrosities (s); Physiology; Teratology (s); Zoology

Monstrosities *see* Monsters

Months
See also Seasons; Year; *also* names of months

Refer from Year

Monumental brasses *see* Brasses

Monuments
See also Archaeology; Arches of triumph; Brasses; Cromlechs; Inscriptions; Obelisks; Pyramids; Sculpture; Soldiers' monuments; Statues; Tombs; Tombstones; *also* names of cities, subhead Monuments

Refer from Archaeology; Burial; Sculpture; Statues; Tombs; Tombstones

Moon
See also Astronomy; Eclipses; Occultations; Tides

Refer from Astronomy; Eclipses; Lunar theory (s); Mechanics, Celestial; Planets; Satellites; Tides

Moorish architecture *see* Architecture, Mohammedan

Moors
See also Algeria; Arabs; Mohammedanism; Morocco; Saracens

Refer from Algeria; Arabs; Mohammedanism; Morocco; Saracens

Moors in Spain
See also Spain — History — To 1479

Refer from Arabs in Spain (s); Middle ages — History; Mohammedanism; Moriscos (s); Spain — History — To 1479

Moot courts

Refer from Courts; Mock trials (s)

Moraines
See also Boulders; Drift; Glaciers; Physical geography

Refer from Boulders; Drift; Geology; Glaciers; Physical geography

Moral conditions *see* names of countries and cities, subhead Moral conditions

Moral education
See also Character; Children — Management; Religious education

Refer from Children — Management; Education; Education, Moral (s); Ethical education (s); Ethics; Religious education

Moral philosophy *see* Ethics

Morality *see* Ethics

Morality plays *see* Miracle, morality and mystery plays

Morals *see* Ethics, and names of countries, subhead Moral conditions

Morasses *see* Marshes

Moravians

Refer from Bohemian brethren (s); Herrnhuters (s); Sects; Unitas fratrum (s); United brethren (s)

Moriscos *see* Moors in Spain

Mormons and Mormonism
See also Salt Lake City; Utah

Refer from Church of Christ of latter-day saints (s); Church of Jesus Christ of latter-day saints (s); Latter-day saints (s); Polygamy; Religions; Salt Lake City; Sects; Utah

Morphia *see* Morphine

Morphine
See also Narcotic habit; Narcotics; Opium

Refer from Alkaloids; Morphia (s); Narcotic habit; Narcotics; Opium

Morphology
See also Anatomy; Biology; Botany, Structural; Cells; Embryology; Histology

Refer from Anatomy; Anatomy, Comparative; Biology; Comparative morphology (s); Organography (s); Physiology

Morphology of plants *see* Botany, Structural

Morris dance
See also Dancing

Refer from Dancing; England — Social life and customs

Mortality
See also Death; Vital statistics

Refer from Death; Death rate (s); Vital statistics

Mortar *see* Cement

Mortgages
See also Investments; Real estate; Securities

Refer from Chattel mortgages (s); Commercial law; Contracts; Conveyancing; Forms (in law); Incumbrances (s); Investments; Land titles; Law; Liens; Loans; Negotiable instruments; Property; Real estate; Securities

Mortmain

Refer from Charities; Land tenure; Law; Legacies; Trustees

Mortuary customs *see* Burial; Cremation; Death; Embalming; Funeral rites and ceremonies; Indians — Mortuary customs; Urn burial

Mosaic law
See also Antinomianism; Commandments; Bible — Old Testament — Deuteronomy; Bible — Old Testament — Leviticus; Jews — Law

Refer from Bible — Old Testament — Deuteronomy; Bible — Old Testament — Leviticus; Commandments; Jews — Law; Jews — Religion; Law

Mosaics
See also Arts and crafts; Inlay; Mural painting and decoration

Refer from Art; Arts and crafts; Decoration and ornament; Floors; Inlay; Mural painting and decoration; Pavements

Moslems *see* Mohammedanism

Mosques
See also Architecture, Mohammedan; Architecture, Oriental

Refer from Architecture; Architecture, Mohammedan; Architecture, Oriental; Church architecture; Mohammedanism; Temples

Mosquitoes
See also Diptera; Insects as carriers of contagion; Malaria; Yellow fever

Refer from Contagion and contagious diseases; Diptera; Household pests; Insects, Injurious and beneficial; Insects as carriers of contagion; Malaria; Yellow fever

Moss *see* Mosses
Mosses
See also Algae; Cryptogams; Lichens

Refer from Bryology (s); Bryophytes (s); Cryptogams; Moss (s)

Most favored nation clause *see* Commercial treaties
Motherhood *see* Mothers
Mothers
See also Children; Home; Matriarchy; Parents; Women

Refer from Children; Family; Home; Love; Maternity (s); Motherhood (s); Parents; Wives; Women

Mothers' clubs
See also Child study; Women's clubs

Refer from Child study; Clubs; Social settlements; Women's clubs

Moths
See also Caterpillars; Codling moth; Cutworms; Gipsy moth; Lepidoptera; Silkworms

Refer from Caterpillars; Insects, Injurious and beneficial; Lepidoptera

Motion
See also Animal locomotion; Dynamics; Force and energy; Kinematics; Locomotion; Mechanical movements; Mechanics; Motors; Perpetual motion; Rotation; Velocity; Vibration

Refer from Dynamics; Force and energy; Kinematics; Kinetics (s); Mechanics; Physics; Vibration

Motion pictures *see* Moving pictures
Motor boats

Refer from Autoboats (s); Boats and boating; Electric boats (s); Electric launches (s); Gasoline launches (s); Launches (s); Navigation; Power boats (s); Shipbuilding

Motor carriages *see* Automobiles
Motor cycles

Refer from Automobiles; Bicycles and tricycles; Cycles, Motor (s); Cycling

Motor vehicles *see* Automobiles
Motoring *see* Automobile touring; Automobiles
Motors
See also Aeronautic motors; Alcohol motors; Automobiles; Compressed air; Dynamos; Electric motors; Engines; Farm motors; Gas and oil engines; Hydraulic motors; Locomotives; Machinery; Solar motors; Steam engines; Turbines; Water wheels; Windmills

Refer from Automobiles; Engines; Machinery; Mechanics; Motion; Physics; Power; Power transmission

Mottoes
See also Devices; Heraldry; Quotations

Refer from Devices; Emblems; Heraldry; Literature; Quotations

Mould *see* Mold
Moulding *see* Foundry work
Mouldings *see* Moldings
Mound builders *see* Mounds and mound builders
Mounds and mound builders
See also Earthworks (archaeology); Indians — Antiquities; Kitchen middens; U. S. — Antiquities

Refer from Archaeology; Barrows (s); Burial; Earthworks (archaeology); Ethnology; Grave mounds (s); Graves (s); Indians; Indians — Antiquities; Kitchen middens; Mound builders (s); Tombs; Tumuli (s); U. S. — Antiquities

Mountain climbing *see* Mountaineering
Mountain railroads
See also Cable railroads; Suspended railways

Refer from Cable railroads; Railroads

Mountain whites *see* Mountaineers of the South

Mountaineering
See also Alpine clubs

Refer from Alpine clubs; Mountain climbing (s); Mountains; Outdoor life; Sports

Mountaineers of the South

Refer from Cumberland Mountains; Kentucky; Mountain whites (s); Southern states; Tennessee

Mountains
See also Alpine clubs; Alpine plants; Avalanches; Geology; Mountaineering; Physical geography; Volcanoes; *also* names of mountains

Refer from Avalanches; Geology; Orology (s); Physical geography

Mourning customs

Refer from Death; Funeral rites and ceremonies; Manners and customs

Mouse *see* Mice

Mouth
See also Teeth

Refer from Anatomy; Dentistry; Digestive system; Face; Head

Movement cure *see* Gymnastics, Medical; Mechanotherapy; Swedish movement cure

Movements of animals *see* Animal locomotion; Irritability

Movements of plants *see* Plants — Movements

Moving pictures

Refer from Amusements; Animatograph (s); Biograph (s); Chronophotography (s); Cinematograph (s); Entertainments; Kinematograph (s); Kinetograph (s); Kinetoscope (s); Motion pictures (s); Photography; Pictures; Theater; Vitagraph (s); Vitascope (s)

Mowing machines
See also Farm implements and machinery

Refer from Farm implements and machinery; Harvesting machinery

Muhammedanism *see* Mohammedanism

Multiple personality *see* Personality

Mummies
See also Egypt — Antiquities; Embalming

Refer from Archaeology; Burial; Egypt — Antiquities; Embalming

Municipal accounts
See also Accounting; Municipal finance

Refer from Accounting; Bookkeeping; Municipal finance

Municipal administration *see* Municipal government

Municipal art
See also Cities — Planning and laying out; Municipal centers; Municipal improvement; Public buildings

Refer from Architecture; Art; Art, Municipal (s); Cities — Planning and laying out; Civic art (s); Municipal improvement

Municipal bonds *see* Bonds

Municipal buildings *see* Public buildings

Municipal centers
See also Cities — Planning and laying out; Public buildings

Refer from Architecture; Cities — Planning and laying out; Civic centers (s); Group plan for public buildings (s); Municipal art; Municipal improvement; Public buildings

Municipal charters *see* Charters; *also* names of cities, subhead Charters

Municipal corporations
See also Boroughs; Cities; Courts, Municipal; Municipal government; Municipal law; Towns

Refer from Boroughs; Corporations; Eminent domain; Law; Municipal government; Municipal law; Towns

Municipal corruption *see* Political corruption

Municipal courts *see* Courts, Municipal

Municipal debts *see* Municipal finance

Municipal engineering
See also Municipal improvement; Pavements; Public works; Refuse and refuse disposal; Sanitary engineering; Sewerage;

Refer from Engineering; Engineering, Municipal (s); Public works; Sanitary engineering

Street cleaning; Streets; Water — Purification; Water supply

Municipal finance
See also Bonds; Municipal accounts; Municipal government

Refer from Finance; Municipal accounts; Municipal debts (s); Municipal government; Taxation

Municipal franchises
See also Public service corporations

Refer from Charters; Franchises, Municipal (s); Public service corporations

Municipal government
See also Charters; Cities; Local government; Municipal corporations; Municipal finance; Municipal ownership; Police; Recall; Referendum

Refer from Cities; City government (s); Civics (s); Government; Local government; Municipal administration (s); Municipal corporations; Municipal finance; Municipal ownership; Municipal reform (s); Social problems; Towns

——Commission plan

Refer from Civil service reform; Commission government (s); Des Moines plan of city government (s); Galveston plan of city government (s); Government by commission (s)

Municipal improvement
See also Baths, Public; Billposting; Building laws; Cemeteries; Cities — Planning and laying out; Electric wire and wiring; Fire protection; Garden cities; Harbors; Housing problem; Hygiene, Public; Landscape gardening; Lighting; Municipal art; Municipal centers; Neighborhood improvement; Noise; Parks; Pavements; Playgrounds; Preservation of landmarks, scenery, etc.; Public comfort stations; Railroads — Crossings; Refuse and refuse disposal; Sanitary engineering; Signs; Smoke; Streets; Tenement houses; Vacant lot cultivation

Refer from Cities — Planning and laying out; City improvement (s); Civic improvement (s); Landscape gardening; Municipal art; Municipal engineering; Parks

Municipal law
See also Corporation law; Law; Municipal corporations

Refer from Corporation law; Law; Municipal corporations

Municipal ownership
See also Government ownership; Government regulation of industry; Municipal government; Public service corporations

Refer from Government ownership; Government regulation of industry; Monopolies; Municipal government; Municipal trading (s); Public ownership (s); Public service corporations

Municipal reference libraries *see* Libraries, Municipal reference
Municipal reform *see* Municipal government
Municipal trading *see* Municipal ownership
Municipalities *see* Cities
Mural decoration *see* Mural painting and decoration

Mural painting and decoration
See also Frescoes; Gesso; House painting; Mosaics; Plaster and plastering; Stucco; Tapestry; Wall paper

Refer from Architecture; Art; Ceilings; Decoration and ornament; Frescoes; House decoration; House painting; Mosaics; Mural decoration (s); Painting; Plaster and plastering; Wall decoration (s); Wall painting (s); Wall paper; Walls

Murder
See also Assassination; Capital punishment; Dacoits; Infanticide; Poisons; Suicide; Thugs; Treason

Refer from Assassination; Crime and criminals; Criminal law; Death; Homicide (s)

Muscles
See also Anatomy; Muscular sense; Physical education; Physiology

Refer from Anatomy; Animal locomotion; Electrophysiology; Histology; Muscular action (s); Myodynamics (s); Myology (s); Physiology

Muscular action *see* Muscles

Muscular sense
See also Psychology, Physiological

Refer from Muscles; Psychology; Psychology, Physiological; Senses and sensation

Museums
See also Art — Galleries and museums; Botanical museums; Exhibitions; *also* names of museums, and names of cities, subhead Galleries and museums

Refer from Exhibitions

Mushrooms
See also Cookery — Mushrooms; Fungi

Refer from Food; Fungi; Toadstools (s)

Music
See also Anecdotes, Musical; Anthems; Bands (music); Bible — Music; Cantatas; Carols; Chamber music; Chants; Choirs; Choral music; Church music; Composition (music); Concerts; Counterpoint; Dance music; Fugue; Glees; Harmony; Hymns; Indians — Music; Instrumental music; Instrumentation and orchestration; Masses (music); Melody; Military music; Modulation; Musical accompaniment; Musical festivals; Musical form; Musical instruments, and names of instruments; Musical societies; Musicians; National songs; Opera; Oratorios; Orchestral music; Orchestras; Overtures; Phrasing (music); Program music; Rhythm; Scale (music); School music; Sight reading; Singing and voice culture; Sonatas; Songs; Sound; Symphonies; Voice

Refer from Art; Composition (music); Instrumental music; Singing and voice culture; Sound; Vocal music (s); Voice

——Anecdotes, *see* Anecdotes, Musical

——**Appreciation**
See also Musical form

Refer from Appreciation of music (s); Music — Philosophy and esthetics; Musical form

——Biography, *see* Musicians

——**Dictionaries**

——**Essays, addresses, etc.**

——**History and criticism**
See also Music — Philosophy and esthetics

Refer from Criticism

——Indians, *see* Indians — Music

——**Instruction and study**
See also Instrumentation and orchestration; Piano — Instruction and study; Sight reading; Singing and voice culture; *also* names of schools and of instruments

Refer from Education, Musical (s); Music — Study and teaching (s); Musical education (s); Piano — Instruction and study

——**Jews**
See also Bible — Music

Refer from Bible — Music; Jews — Music (s)

——**Notation**
See also Tonic sol-fa

Refer from Musical notation (s); Notation (music) (s)

——**Philosophy and esthetics**
See also Music — Appreciation

Refer from Esthetics; Music — History and criticism; Music — Theory

——**Scores**
See also Choruses and part songs; Duets, Instrumental; Duets, Vocal; Opera — Scores; Orchestral music; Organ music; Piano music — Scores; Sonatas; Songs — Scores; Symphonies; Violin music

Refer from Scores (music) (s)

——Study and teaching, *see* Music — Instruction and study

Music — Continued
——**Theory**
See also Canon (music); Composition (music); Counterpoint; Fugue; Harmony; Melody; Modulation; Music — Philosophy and esthetics; Musical form

Refer from Harmony

——**U. S.**
See also Indians — Music; Songs, American

Refer from U. S. — Music (s)

Music halls
See also Vaudeville

Refer from Concert halls (s); Theaters

Musical accompaniment

Refer from Accompaniment, Musical (s); Composition (music); Music; Piano — Instruction and study; Singing and voice culture

Musical anecdotes *see* Anecdotes, Musical
Musical composition *see* Composition (music)
Musical education *see* Music — Instruction and study

Musical festivals

Refer from Festivals; Music; Musical societies

Musical form
See also Canon (music); Fugue; Music — Appreciation; Phrasing (music); Sonatas

Refer from Canon (music); Form, Musical (s); Fugue; Music; Music — Appreciation; Music — Theory; Phrasing (music); Sonatas

Musical instruments
See also Flute; Guitar; Harp; Harpsichord; Instrumental music; Instrumentation and orchestration; Orchestral music; Organ; Piano; Reed organ; Stringed instruments; Tuning; Tuning forks; Violin; Violoncello; Wind instruments

Refer from Flute; Harpsichord; Instrumental music; Instrumentation and orchestration; Instruments; Music; Organ; Piano; Stringed instruments; Violin; Violoncello; Wind instruments

Musical notation *see* Music — Notation

Musical societies
See also Choral societies; Musical festivals

Refer from Choral societies; Music; Societies

Musicians
See also Anecdotes, Musical; Organists; Pianists; Singers; Violinists

Refer from Artists; Biography; Composers (s); Music; Music — Biography (s); Organists; Pianists; Singers; Violinists

Muslims *see* Mohammedanism
Mussulmans *see* Mohammedanism
Mutation *see* Variation (biology)

Mutiny

Refer from Crime and criminals; Maritime law; Military law

Mutual aid societies *see* Benefit societies
Mutual benefit societies *see* Benefit societies
Mycology *see* Fungi
Myodynamics *see* Muscles
Myology *see* Muscles

Myopia
See also Eye — Diseases and defects

Refer from Eye — Diseases and defects; Near-sightedness (s); Nearsightedness (s); Short-sightedness (s); Sight

Myriapoda
See also Arthropoda

Refer from Arthropoda

Mysteries (dramatic) *see* Miracle, morality and mystery plays

Mysteries (religious)
See also Eleusinian mysteries; Mythology; Oracles

Refer from Mythology; Religion; Religious mysteries (s); Rites and ceremonies

Mystery plays *see* Miracle, morality and mystery plays

Mysticism
See also Cabala; Neoplatonism; Quietism; Rosicrucians; Sufism

Refer from Philosophy; Quietism; Religion; Rosicrucians; Theology

Mythical animals *see* Animals, Mythical

Mythology
See also Animal worship; Animals, Mythical; Archaeology; Astronomical mythology; Classical dictionaries; Fairy tales; Fauns; Folklore; Legends; Mysteries (religious); Nature myths; Religions; Superstition; Totems and totemism

Refer form Archaeology; Comparative mythology (s); Creation; Ethnology; Folklore; God; Heroes; Legends; Mysteries (religious); Paganism; Religion; Religions; Superstition

——**Celtic**
See also Druids

Refer from Celtic mythology (s); Druids

——**Classical**
See also Amazons; Argonauts; Classical dictionaries; Eleusinian mysteries

Refer from Amazons; Argonauts; Classical antiquities; Classical mythology (s); Eleusinian mysteries; Greek mythology (s); Mythology, Greek (s); Mythology, Roman (s); Roman mythology (s)

——**Germanic**
See also Mythology, Norse

Refer from Germanic mythology (s); Mythology, Norse; Mythology, Teutonic (s); Teutonic mythology (s)

——Greek, *see* Mythology, Classical
——Indians, *see* Indians — Religion
——**Norse**
See also Eddas; Mythology, Germanic; Sagas

Refer from Mythology, Germanic; Mythology, Scandinavian (s); Norse mythology (s); Northern mythology (s); Scandinavian mythology (s)

——Roman, *see* Mythology, Classical
——Scandinavian, *see* Mythology, Norse
——**Slavic**

Refer from Slavic mythology (s)

——Teutonic, *see* Mythology, Germanic
N rays

Refer from Light; Radiation; X rays
Nagualism

Refer from Central America — Religion; Indians of Mexico; Mexico — Antiquities; Mexico — Religion; Religions
Nails and spikes

Refer from Hardware; Railroad spikes (s); Spikes (s)
Names
See also Botany — Nomenclature; Epithets; Indians — Names; Medicine — Nomenclature; Words; Zoology — Nomenclature

Refer from Epithets; Etymology; Language; Nomenclature (s); Terminology (s); Words

——**Geographical**
See also Gazetteers; Indians — Names

Refer from Gazetteers; Geographical names (s); Geography; Place names (s); Proper names (s)

——**Personal**
See also Indians — Names; Nicknames; Pseudonyms

Refer from Christian names (s); Forenames (s); Personal names (s); Proper names (s); Surnames (s)

Napoleonic wars
See also Europe — History — 1789–; France — History — Consulate and empire; Peninsular war, 1807–1814; Waterloo, Battle of

Refer from England — History — 1714–1837; Europe — History — 1789–; France — History — Consulate and empire; French revolution; Germany — History — 1740–1815; Italy — History — 1789–1815; Peninsular war, 1807–1814; Waterloo, Battle of

Narcotic habit
See also Cocaine; Morphine; Narcotics; Opium

Refer from Cocaine; Drug habit (s); Hygiene; Morphine; Narcotics; Opium; Temperance

Narcotics
See also Hashish; Morphine; Narcotic habit; Opium; Tobacco

Refer from Drugs; Hashish; Hygiene; Insomnia; Medicine; Morphine; Narcotic habit; Opium; Poisons; Therapeutics

Narragansett Indians
See also Algonquian Indians

Refer from Algonquian Indians

Nasal passages *see* Nose
Natal stones *see* Birth stones
National bank notes *see* Bank notes
National banks
See also Bank notes; Banks and banking; Banks and banking — U. S.
Refer from Banks and banking; Banks and banking — U. S.

National cemeteries *see* Cemeteries, National
National characteristics
See also Ethnopsychology; *also* names of races, and names of countries, subhead Social life and customs
Refer from Character; Characteristics, National (s); Ethnology; Ethnopsychology; Manners and customs; Race characteristics (s); Social psychology

——American
See also U. S. — Social life and customs; Women in the U. S.
Refer from U. S. — National characteristics (s); U. S. — Social life and customs; Women in the U. S.

National debts *see* Debts, Public
National ethics *see* State ethics
National flowers
Refer from Flowers; Flowers, National (s)

National guard, U. S., *see* U. S. — Militia; *also* names of states, e.g. New York (state) — Militia
National holidays *see* Holidays
National hymns *see* National songs
National ownership *see* Government ownership
National parks and reserves
See also Forest reserves
Refer from Forest reserves; Parks; Public lands; U. S. — Military reservations (s); U. S. — National parks and reserves (s); U. S. — Public lands

National resources *see* Natural resources; *also* names of countries, subhead Industries and resources
National road *see* Cumberland road
National songs
See also Folk songs; War songs
Refer from Folk songs; Music; National hymns (s); Patriotic songs (s); Songs; Songs, American [etc.]

National university for the U. S.
Refer from Colleges and universities — U. S.; University of the U. S., Proposed (s)

Nationalism *see* Government ownership; Nationalism, New; Socialism
Nationalism, New
Refer from Federal government; Nationalism (s); New nationalism (s); State rights; U. S. — Government

Nationalization of land *see* Land nationalization
Nations
Refer from Ethnology; Government; People

Nations, Law of, *see* International law
Native races *see* Ethnology; Race problems; *also* names of aboriginal races, e.g. Indians
Nativity of Christ *see* Jesus Christ — Birth
Natural gas *see* Gas, Natural
Natural history
See also Animals; Anthropology; Aquariums; Bible — Natural history; Biology; Botany; Chemistry; Ecology; Evolution; Geology; Man; Microscope and microscopy; Mineralogy; Naturalists; Nature; Nature study; Ocean; Outdoor life; Paleontology; Physical geography; Physics; Plants; Science; Taxidermy; Zoology
Refer from Animal lore; Animals; Biology; Botany; History, Natural (s); Natural science (s); Nature; Nature study; Outdoor life; Plants; Science; Zoology

——U. S.
See also Botany — U. S.; Zoology — U. S.
Refer from U. S. — Natural history (s)

Natural law
See also International law

Refer from Absolute rights (s); Constitutional law; Ethics; International law; Law; Law of nature (s); Liberty; Natural rights (s); Nature, Law of (s)

Natural philosophy *see* Physics

Natural religion
See also Atheism; Christianity; Creation; Deism; Ethics; Future life; God; Naturalism; Religion; Religion and science; Theology

Refer from Atheism; God; Natural theology (s); Philosophy; Religion; Religion and science; Teleology; Theism; Theology; Theology, Natural (s)

Natural resources
See also Commercial geography; Commercial products; Conservation of resources; Forests and forestry; Geology, Economic; Mines and mineral resources; Water power

Refer from Commercial geography; Commercial products; Conservation of resources; Forests and forestry; Mines and mineral resources; National resources (s); Resources (s)

Natural rights *see* Natural law

Natural scenery *see* Landscape

Natural science *see* Natural history; Physics; Science

Natural selection
See also Evolution; Heredity; Species

Refer from Darwinism(s); Evolution; Heredity; Selection, Natural(s); Species; Survival of the fittest (s); Variation (biology)

Natural theology *see* Natural religion

Naturalism
See also Agnosticism; Materialism; Positivism; Realism

Refer from Natural religion; Philosophy; Realism

Naturalism in art
See also Idealism in art; Realism in art

Refer from Art; Esthetics; Idealism in art; Painting; Realism in art

Naturalism in literature
See also Idealism in literature; Realism in literature

Refer from Esthetics; Fiction; Idealism in literature; Literature; Realism in literature

Naturalists
See also Botanists; Entomologists; Ornithologists; Scientists; Zoologists

Refer from Authors; Biography; Botanists; Entomologists; Natural history; Ornithologists; Scientists; Zoologists

Naturalization
See also Alien and sedition laws, 1798; Aliens; Citizenship

Refer from Aliens; Allegiance; Citizenship; Expatriation; Foreigners (s); Immigration and emigration; International law; Suffrage

Nature
See also Animals; Botany; Earth; Evolution; Natural history; Nature in literature; Nature in poetry; Nature myths; Nature study; Outdoor life; Plants; Science; Seasons; Zoology

Refer from Natural history; Nature study; Outdoor life; Philosophy; Physical geography; Scenery (s); Science

Nature, Law of, *see* Natural law

Nature in literature
See also Nature in poetry

Refer from Literature; Nature; Nature in poetry

Nature in poetry
See also Nature in literature; Pastoral poetry

Refer from Nature; Nature in literature; Pastoral poetry; Poetry; Poetry of nature (s)

Nature myths
See also Animal lore; Astronomical mythology; Plant lore

Refer from Animal lore; Folklore; Mythology; Nature; Plant lore

Nature photography
See also Photography — Animals; Photography — Plants

Refer from Nature study; Photography; Photography — Animals; Photography — Nature (s); Photography — Plants; Photography of nature (s)

Nature study
See also Animals; Animals — Habits and behavior; Animals — Stories; Birds; Bota-

Refer from Animals; Animals — Habits and behavior; Animals — Stories; Botany; Educa-

ny; Natural history; Nature; Nature photography; Object teaching; Plants; School gardens; Zoology

Nature worship
See also Animal worship; Elements, Worship of; Phallicism; Serpent worship; Sun worship; Totems and totemism; Tree worship

tion; Kindergarten; Natural history; Nature; Object teaching; Plants; Science; Science — Study and teaching; Teaching; Zoology

Refer from Elements, Worship of; Worship

Nautical almanacs

Refer from Almanacs; Astronomy; Ephemerides (s); Navigation

Nautical astronomy
See also Astronomy, Spherical and practical; Latitude and longitude; Navigation

Refer from Astronomy; Astronomy, Spherical and practical; Navigation

Nautical surveying *see* Hydrography
Nautical terms *see* Naval art and science — Dictionaries; Navigation — Dictionaries
Naval architecture *see* Shipbuilding

Naval art and science
See also Armor plate; Armored vessels; Blockade; Gunnery; Mines, Submarine; Naval history; Naval tactics, and other headings beginning Naval; Navies; Navigation; Navy yards and naval stations; Privateering; Sea power; Shipbuilding; Signals; Submarine boats; Submarine warfare; Target practice; Torpedo boats; Torpedoes; War; Warships

Refer from Fighting (s); Military art and science; Naval science (s); Naval tactics; Naval warfare (s); Navies; Navy (s); Science; Sea power; Ships; Strategy (s); War; Warships

Naval artillery *see* Naval guns

Naval battles
See also Armada, 1588; Battles; Buccaneers; Naval history; Pirates; *also* names of battles and of ships

Refer from Battles; Naval history; Sea fights (s)

Naval biography
See also Admirals; Sailors

Refer from Admirals; Biography; Naval history; Sailors

Naval boilers *see* Boilers, Marine

Naval education

Refer from Education; Education, Naval (s)

Naval engineering *see* Marine engineering
Naval gunnery *see* Gunnery

Naval guns

Refer from Artillery; Guns; Naval artillery (s); Ordnance

Naval history
See also Admirals; Buccaneers; History; Impressment; Military history; Naval battles; Naval biography; Navigation; Pirates; Privateering; Sea power; *also* names of wars, battles, vessels and commanders, and names of countries, subheads History, Naval, and Navy

Refer from History; History, Naval (s); Military history; Naval art and science; Naval battles; Navigation; Sea power

Naval hospitals *see* Hospitals, Naval and marine

Naval hygiene
See also Military hygiene; Quarantine; Seasickness

Refer from Hygiene; Hygiene, Naval (s); Medicine; Military hygiene; Occupations — Diseases and hygiene; Sanitation

Naval militia
See also names of states, subhead Naval militia

Refer from Militia; Naval reserves (s); U. S. — Militia; U. S. — Naval militia (s); U. S. — Navy

Naval power *see* Sea power
Naval reserves *see* Naval militia
Naval science *see* Naval art and science
Naval stations *see* Navy yards and naval stations
Naval surgery *see* Surgery, Naval

Naval tactics
See also Naval art and science

Refer from Naval art and science; Tactics

Naval warfare *see* Naval art and science

Navies
See also Armies; Armored vessels; Coaling stations; Disarmament; Militarism; Naval art and science; Navy yards and naval stations; Sea power; Warships, *also* names of countries, subhead Navy, or Army and navy

Refer from Armaments (s); Armies; Armored vessels; Disarmament; Fleets (s); Militarism; Military power (s); Naval art and science; Navy (s); Sea power; Ships; War; Warships

Navigation
See also Aeronautics; Beacons; Boats and boating; Buoys; Canoes and canoeing; Collisions at sea; Commerce; Compass; Fog signals; Harbors; Hydrography; Inland navigation; Knots and splices; Latitude and longitude; Lifeboats; Lighthouses; Motor boats; Nautical almanacs; Nautical astronomy; Naval history; Ocean; Ocean travel; Pilot guides; Pilots and pilotage; Rowing; Rule of the road; Sailing; Sailors; Shipbuilding; Shipping; Ships; Shipwrecks; Signals; Sounding and soundings; Steam navigation; Steamboats; Submarine boats; Traverse tables; Voyages and travels; Yachts and yachting

Refer from Astronomy, Spherical and practical; Boats and boating; Carriers; Commerce; Hydrography; Latitude and longitude; Locomotion; Mathematics; Nautical astronomy; Naval art and science; Naval history; Ocean; Sailing; Seamanship (s); Ships; Steam navigation; Traverse tables; Trigonometry; Waterways; Yachts and yachting

——Inland, *see* Inland navigation

Navigation laws *see* Maritime law

Navy *see* Naval art and science; Navies; *also* names of countries, subhead Navy, or Army and navy

Navy yards and naval stations

Refer from Naval art and science; Naval stations (s); Navies

Near-sightedness *see* Myopia

Nearsightedness *see* Myopia

Nebulae
See also Astronomy; Meteoritic hypothesis; Nebular hypothesis

Refer from Astronomy; Meteoritic hypothesis; Nebular hypothesis

Nebular hypothesis
See also Astronomy; Nebulae

Refer from Astronomy; Nebulae; Planets; Solar system; Universe

Necessity
See also Freedom of the will; Predestination

Refer from Freedom of the will; Metaphysics; Philosophy

Necrologies *see* Obituaries

Necromancy *see* Conjuring; Magic; Witchcraft

Needles *see* Pins and needles

Needlework
See also Beadwork; Crocheting; Drawn work; Dressmaking; Embroidery; Fancy work; Knitting; Lace; Mending and repairing; Samplers; Sewing machines; Sewing schools; Tailoring; Tapestry

Refer from Arts and crafts; Domestic arts; Dressmaking; Embroidery; Fancy work; Home economics; Lace; Manual training; Sewing (s); Sewing schools; Stitches (s); Women

Negligence
See also Agency; Bailments; Damages; Employers' liability

Refer from Agency; Bailments; Carriers; Contracts; Contributory negligence (s); Damages; Employers' liability; Law; Occupations, Dangerous

Negotiable instruments
See also Bonds; Commercial law; Exchange; Interest; Investments; Mortgages; Securities; Stocks

Refer from Commercial law; Commercial paper (s); Credit; Law; Securities

Negro dialect
See also Recitations and readings, Dialect

Refer from English language — Dialects; Negroes

Negro melodies *see* Negro songs
Negro minstrels *see* Minstrel shows
Negro songs
See also Jubilee singers

Refer from Folk songs; Negro melodies (s); Negroes; Plantation songs (s); Songs; Songs, American

Negro suffrage
See also Negroes — Political and social conditions

Refer from Negroes; Negroes — Political and social conditions; Negroes — Suffrage (s); Suffrage

Negroes
See also Color of man; Freedmen; Maroons; Negro dialect; Negro songs; Negro suffrage; Race problems — U. S.; Slave trade; Slavery; Slavery in the U. S.; Southern states

Refer from Colored people (s); Ethnology; Freedmen; Race problems; Race problems — U. S.; Slavery; Slavery in the U. S.; Southern states

——**Biography**
——**Colonization** [for colonization in America]
See also Africa — Colonization

Refer from Africa — Colonization; Colonization of negroes (s)

——**Education**
Refer from Education
——**Folklore**
Refer from Folklore — Negroes (s)
——**History**
——**Political and social conditions**
See also Negro suffrage

Refer from Negro suffrage

——**Religion**
——**Social life and customs**
See also Voodooism
——Suffrage, *see* Negro suffrage
Negroes in the American revolution *see* U. S. — History — Revolution — Negro troops
Negroes in the civil war *see* U. S. — History — Civil war — Negro troops
Neighborhood gilds

Refer from Clubs; Gilds; Social settlements

Neighborhood improvement
See also Playgrounds; Tree planting; Vacant lot cultivation

Refer from Municipal improvement; Social settlements

Neighborhood work *see* Social settlements
Neo-Latin languages *see* Romance languages
Neolithic period *see* Stone age
Neoplatonism

Refer from Dualism; Hellenism; Mysticism; Philosophy; Platonists; Theosophy

Nerves
See also Nervous system

Refer from Electrophysiology; Nervous system

Nervous diseases *see* Nervous system — Diseases
Nervous exhaustion *see* Neurasthenia
Nervous prostration *see* Neurasthenia
Nervous system
See also Anatomy; Brain; Electrophysiology; Fatigue; Inhibition; Mind and body; Nerves; Physiology; Psychology, Physiological; Rest; Spine; Temperament

Refer from Anatomy; Brain; Electrophysiology; Mind and body; Nerves; Neurology (s); Physiology; Psychology, Physiological; Spine; Temperament

——**Diseases**
See also Epilepsy; Headache; Hysteria; Mental diseases; Neuralgia; Neurasthenia; Worry

Refer from Diseases (s); Hysteria; Medicine — Practice; Mental diseases; Nervous diseases (s); Neuralgia; Neurasthenia; Neuropathology (s)

Nestorians
See also Eastern churches

Refer from Eastern churches; Sects

Nests
See also Animals — Habitations; Birds; Birds' eggs

Refer from Animals — Habitations; Birds; Birds' nests (s); Zoology

Neuralgia
See also Nervous system — Diseases

Refer from Medicine — Practice; Nervous system — Diseases

Neurasthenia
See also Fatigue, Mental; Nervous system — Diseases

Refer from Exhaustion (s); Fatigue, Mental; Medicine — Practice; Nervous exhaustion (s); Nervous prostration (s); Nervous system — Diseases

Neurology *see* Nervous system
Neuropathology *see* Nervous system — Diseases
Neuroptera
See also Insects

Refer from Insects

Neutrality
See also Alabama claims; Blockade; Contraband of war; International law; Search, Right of; Trent affair, 1861

Refer from Blockade; Commerce; Contraband of war; International law; Maritime law; Prizes (international law); Search, Right of; War

New church *see* New Jerusalem church
New Englanders in the West

Refer from New England; Western states

New France *see* Canada — History — To 1763 (New France)
New Jerusalem church

Refer from Church of the New Jerusalem (s); New church (s); Sects; Swedenborgianism (s)

New nationalism *see* Nationalism, New
New Testament *see* Bible — New Testament
New thought

Refer from Ethics; Higher thought (new thought) (s); Mental healing; Mental hygiene; Metaphysics; Mind and body; Philosophy; Philosophy, Modern; Psychology; Spiritual life; Suggestion

New year

Refer from Holidays

New York artillery
See also New York (state) — Militia

Refer from Artillery; New York (state) — Militia; New York volunteer artillery (s); U. S. — Army; Volunteers (U. S. army) (s)

New York cavalry
See also New York (state) — Militia

Refer from Cavalry; New York (state) — Militia; New York volunteer cavalry (s); U. S. — Army; Volunteers (U. S. army) (s)

New York infantry
See also New York (state) — Militia

Refer from Infantry; New York (state) — Militia; New York volunteer infantry (s); U. S. — Army; Volunteers (U. S. army) (s)

New York volunteer artillery *see* New York artillery
New York volunteer cavalry *see* New York cavalry
New York volunteer infantry *see* New York infantry
Newsboys

Refer from Boys; Child labor

Newspaper clippings *see* Clippings
Newspaper work *see* Journalism; Reporting
Newspapers
See also Advertising; Clippings; Editorials; Journalism; Liberty of the press; Periodicals; Publicity; Reporting

Refer from Communication; Journalism; Liberty of the press; Literature; Periodicals; Press (s); Yellow journalism (s)

——England
See also Periodicals — England

Refer from England — Newspapers (s); English literature; English newspapers (s); Periodicals — England

——U. S.
See also Periodicals — U. S.

Refer from American literature; American newspapers (s); Periodicals — U. S.; U. S. — Newspapers (s)

Nicene creed

Refer from Catholic church — Catechisms and creeds; Church of England — Catechisms and creeds; Creeds

Nickel
See also Metals; Nickel steel — *Refer from* Metals

Nickel steel
See also Armor plate — *Refer from* Armor plate; Nickel; Steel

Nicknames
See also Epithets; Pseudonyms — *Refer from* Epithets; Names, Personal; Pseudonyms; Sobriquets (s); Soubriquets (s)

Night
See also Dew; Dreams; Nightmare; Sleep; Somnambulism — *Refer from* Days

Night schools *see* Evening and continuation schools

Nightmare
See also Dreams — *Refer from* Dreams; Incubus (s); Night; Sleep

Nihilism
See also Anarchism and anarchists; Russia — Politics; Russia — Social conditions — *Refer from* Anarchism and anarchists; Government; Philosophy; Russia; Secret societies

Nineteenth century
See also English literature — History and criticism — 19th century; Europe — History — 1789–; History, Modern — *Refer from* Europe — History — 1789–; History, Modern; Progress

Nitrification
See also Soil bacteriology; Soil inoculation — *Refer from* Agricultural chemistry; Bacteriology, Agricultural; Fertilizers and manures; Nitrifying bacteria (s); Nitrogen; Soil bacteriology; Soil inoculation; Soils

Nitrifying bacteria *see* Nitrification; Soil bacteriology

Nitrogen
See also Alkaloids; Nitrification — *Refer from* Chemical elements; Gases

Nitroglycerin
See also Explosives — *Refer from* Explosives

Nobel prizes — *Refer from* Rewards (prizes, etc.)

Nobility *see* Aristocracy; Heraldry; Peerage

Noise
See also Sound — *Refer from* Municipal improvement; Nuisances; Sound

Nomads
See also Bedouins; Gipsies — *Refer from* Bedouins; Gipsies

Nomenclature *see* Names; *also* under subject, e.g. Botany — Nomenclature; Medicine — Nomenclature; Zoology — Nomenclature

Nominations
See also Caucus; Election laws; Elections; Political conventions; Primaries — *Refer from* Caucus; Civil service; Direct nominations (s); Election laws; Elections; Elections — U. S.; Government; Office, Nominations for (s); Political conventions; Politics; Primaries; Representative government and representation

Noms de plume *see* Pseudonyms

Nonconformists *see* Dissenters

Nonjurors
See also Church of England — *Refer from* Church of England; Dissenters; England — History — Stuarts; England — Religious history; Jacobites; Puritans

Nonresistance
See also Friends, Society of; Peace — *Refer from* Peace

Nonsense verse
See also Limericks; Nursery rhymes — *Refer from* Humor; Limericks; Nursery rhymes; Poetry

Normal schools
See also Teachers — Training — *Refer from* Education; Schools; Teachers; Teachers — Training

Norman conquest *see* England — History — Normans

Normans
See also England — History — Normans; Normandy; Northmen

Refer from England — History — Normans; Northmen

Norse literature *see* Icelandic literature; Scandinavian literature

Norse mythology *see* Mythology, Norse

Norsemen *see* Northmen

North American Indians *see* Indians

North pole
See also Arctic regions

Refer from Arctic regions; Earth; Polar regions (s)

Northeast boundary of the U. S.

Refer from Boundaries; Northeastern boundary of the U. S. (s); U. S. — Boundaries

Northeast passage
See also Arctic regions

Refer from Arctic regions; Discoveries and explorations

Northeastern boundary of the U. S. *see* Northeast boundary of the U. S.

Northern lights *see* Auroras

Northern mythology *see* Mythology, Norse

Northmen
See also America — Discovery and exploration — Pre-Columbian; Iceland — History; Normans; Norway — History; Sagas; Scandinavia — History

Refer from America — Discovery and exploration — Pre-Columbian; Iceland — History; Middle ages — History; Normans; Norsemen (s); Norway — History; Scandinavia — History; Sea kings (s); Vikings (s)

Northwest, Canadian

Refer from Canada; Canadian Northwest (s)

Northwest, New, *see* Northwestern states

Northwest, Old, *see* Northwest Territory, U. S.

Northwest boundary of the U. S.

Refer from Boundaries; Northwestern boundary of the U. S. (s); U. S. — Boundaries

Northwest passage
See also Arctic regions

Refer from Arctic regions; Discoveries and explorations

Northwest Territory, U. S.
See also Illinois; Indiana; Michigan; Middle states; Ohio; Ordinance of 1787; Western Reserve; Wisconsin

Refer from Middle states; Northwest, Old (s); Old Northwest (s); Ordinance of 1787; U. S. — History; Western states

Northwestern boundary of the U. S. *see* Northwest boundary of the U. S.

Northwestern states
See also Oregon trail; Western states; *also* names of states and regions

Refer from Northwest, New (s); Western states

Norwegian language
See also Scandinavian languages

Refer from Germanic languages; Scandinavian languages

Norwegian literature
See also Danish literature; Scandinavian literature

Refer from Danish literature; Scandinavian literature

Norwegians in the U. S.
See also Scandinavians in the U. S.

Refer from Scandinavians in the U. S.; U. S. — Foreign population

Nose
See also Catarrh; Respiratory organs; Smell

Refer from Anatomy; Face; Head; Nasal passages (s); Respiratory organs; Smell

Notaries
See also Acknowledgments; Affidavits

Refer from Commercial law; Law

Notation (mathematics)
See also Decimal system

Refer from Arithmetic; Mathematical notation (s); Mathematics

Notation (music) *see* Music — Notation

Novelists
See also Authors

Refer from Authors; Fiction

Novels *see* Fiction

Nucleation, Atmospheric, *see* Atmospheric nucleation

Nude in art
See also Art and morals

Nuisances
See also Noise; Smoke

Nullification
See also Kentucky and Virginia resolutions, 1798; State rights

Numbers [theory of]
See also Arithmetic; Groups, Theory of; Magic squares; Numerals

Numerals [the signs and words]
See also Numbers

Numismatics
See also Bible — Numismatics; Coinage; Medals; Money; Seals (numismatics)

Nunneries *see* Convents and nunneries

Nuns
See also Carmelites; Convents and nunneries; Religious orders; Sisterhoods; Sisters of charity; Ursulines

Nurseries (horticulture)
See also Forest nurseries

Nurseries, Day, *see* Crèches

Nursery rhymes
See also Children's poetry; Counting out; Nonsense verse

Nurses and nursing
See also Children — Care and hygiene; Cookery for the sick; Diet; First aid in illness and injury; Hospitals; Invalids; Red cross; School nurses; Sisters of charity

Nutation
See also Astronomy, Spherical and practical

Nutrition
See also Absorption (physiology); Diet; Digestion; Food; Metabolism

Nutrition of plants *see* Plants — Chemistry and nutrition

Nuts

Nuts (machinery) *see* Bolts and nuts

Oak trees *see* Oaks

Oaks

Oarsmanship *see* Rowing

Oases
See also Deserts

Oaths
See also Perjury; Swearing

Oats
See also Grain

Obedience

Obelisks
See also Egypt — Antiquities

Oberammergau passion play

Obesity *see* Corpulence

Refer from Art; Art and morals; Human figure in art (s)

Refer from Hygiene, Public; Law

Refer from Government; State rights; U. S. — Politics

Refer from Algebra; Arithmetic; Mathematics; Numerals

Refer from Arabic numerals (s); Arithmetic; Mathematics; Numbers

Refer from Archaeology; Art; Coins (s); History; History, Ancient; Medals; Money; Seals (numismatics)

Refer from Convents and nunneries; Monasticism; Religious orders; Sisterhoods; Women

Refer from Fruit culture; Gardening

Refer from Children's poetry; Children's songs; Folklore; Nonsense verse; Poetry of childhood (s)

Refer from Charities; Children — Care and hygiene; District nurses (s); Hospitals; Hygiene; Invalids; Medicine; Medicine — Practice; Therapeutics; Trained nurses (s); Women

Refer from Astronomy; Astronomy, Spherical and practical; Earth; Latitude and longitude

Refer from Assimilation (s); Diet; Digestion; Food; Metabolism; Physiology

Refer from Food; Fruit; Trees

Refer from Oak trees (s); Trees

Refer from Deserts

Refer from Ethics; Government; Perjury; Swearing

Refer from Feeding and feeding stuffs; Grain

Refer from Conduct of life; Ethics

Refer from Archaeology; Architecture; Egypt — Antiquities; Monuments

Refer from Passion plays

Obituaries
See also Epitaphs; Funeral sermons; Inscriptions

Refer from Biography; Death notices (s); Epitaphs; Funeral sermons; Inscriptions; Necrologies (s)

Object teaching
See also Kindergarten; Nature study; Observation; Quincy system

Refer from Education; Education, Elementary; Kindergarten; Nature study; Quincy system; Teaching

Observation

Refer from Attention; Object teaching; Psychology; Psychology, Educational

Observations, Magnetic, *see* Magnetism, Terrestrial — Observations
Observations, Meteorological, *see* Meteorology — Observations
Observatories, Astronomical, *see* Astronomical observatories
Observatories, Meteorological, *see* Meteorological observatories
Obstetrics

Refer from Medicine — Practice; Midwifery (s); Women — Diseases

Occult sciences
See also Alchemy; Astrology; Cabala; Crystal gazing; Demonology; Divination; Magic; Oracles; Psychical research; Second sight; Spiritualism; Theosophy; Witchcraft

Refer from Alchemy; Astrology; Cabala; Demonology; Devil worship; Divination; Hermetic art (s); Magic; Psychical research; Science; Superstition; Witchcraft

Occultations
See also Astronomy; Astronomy, Spherical and practical

Refer from Astronomy; Astronomy, Spherical and practical; Eclipses; Moon; Planets

Occupational diseases *see* Occupations — Diseases and hygiene
Occupations
See also Business; Handicraft; Profession, Choice of; Professions; Vocational education; Women — Occupations; *also* names of occupations

Refer from Business; Handicraft; Labor and laboring classes; Profession, Choice of; Professions; Success; Trades (s); Vocations (s)

——**Dangerous**
See also Accidents; Employers' liability; Mine accidents; Negligence; Occupations — Diseases and hygiene; Railroads — Accidents; Safety devices

Refer from Accidents; Dangerous occupations (s); Employers' liability; Industrial arts; Injurious occupations (s); Occupations — Diseases and hygiene

——**Diseases and hygiene**
See also Caisson disease; Dust; Lead poisoning; Military hygiene; Naval hygiene; Occupations, Dangerous; School hygiene

Refer from Diseases (s); Hygiene; Hygiene, Industrial (s); Hygiene, Public; Hygiene of employment (s); Industrial diseases (s); Industrial hygiene (s); Occupational diseases (s); Occupations, Dangerous

Ocean
See also Algae; Coast changes; Commerce; Dredging; Hydrography; Icebergs; Marine biology; Marine zoology; Navigation; Ocean currents; Ocean travel; Phosphorescence; Physical geography; Sailors; Sea food; Sea level; Sea stories; Sea walls; Sea water; Seashore; Seasickness; Ships; Shipwrecks; Sounding and soundings; Tides; Voyages and travels; Waves; *also* headings beginning Marine and Naval

Refer from Dredging; Earth; Hydrography; Marine zoology; Meteorology; Natural history; Navigation; Oceanography (s); Physical geography; Sea (s); Seashore; Thalassography (s); Tides; Water

Ocean currents

Refer from Currents (s); Hydrography; Ocean

Ocean life *see* Marine biology; Seafaring life
Ocean travel
See also Sailors; Seasickness; Steamboats; Steerage; Travel; Voyages and travels

Refer from Navigation; Ocean; Steamboats; Travel; Voyages and travels

Oceanic languages
See also Philippine languages; Polynesian languages

Refer from Language; Philippine languages; Polynesian languages

Oceanography *see* Hydrography; Ocean
Octateuch *see* Bible — Old Testament — Octateuch

Odd Fellows
Refer from Benefit societies; Independent order of Odd Fellows (s); Secret societies

Odes
See also Lyric poetry
Refer from Lyric poetry; Poetry

Odontology *see* Teeth

Odors
See also Incense; Perfumery; Smell
Refer from Flowers; Perfumes (s); Scent (s)

Oecology *see* Ecology
Office, Nominations for, *see* Nominations
Office, Tenure of, *see* Civil service

Office supplies
See also Card system in business; Cash registers
Refer from Business

Official publications *see* Government publications
Oil *see* Essences and essential oils; Oils and fats; Petroleum
Oil engines *see* Gas and oil engines

Oil painting
See also Painting
Refer from Painting

Oil wells *see* Petroleum
Oils, Essential, *see* Essences and essential oils

Oils and fats
See also Chemistry, Technical; Essences and essential oils; Lubrication and lubricants; Petroleum
Refer from Animal fats (s); Animal oils (s); Animal products; Chemistry, Technical; Coal-tar products; Fat (s); Fats (s); Grease (s); Lubrication and lubricants; Mineral oils (s); Oil (s); Vegetable oils (s)

Old age
See also Age; Age limit of employment; Homes for the aged; Longevity; Old age pensions
Refer from Age; Aged (s); Aged poor (s); Longevity

Old age homes *see* Homes for the aged

Old age pensions
See also Civil service pensions
Refer from Aged poor (s); Insurance, State and compulsory; Labor and laboring classes; Old age; Pensions; Poor; Thrift

Old English language *see* Anglo-Saxon language; English language — Middle English
Old English literature *see* Anglo-Saxon literature; English literature — History and criticism — Middle English
Old ladies' homes *see* Homes for the aged
Old maids *see* Spinsters
Old Northwest *see* Northwest Territory, U. S.

Old Saxon language
See also Germanic languages; Low German language
Refer from Germanic languages; Low German language; Saxon language (s)

Old Testament *see* Bible — Old Testament

Oleomargarine
Refer from Butter; Dairy products; Food adulteration and inspection

Oligarchy
Refer from Aristocracy; Government

Olympic games
Refer from Athletics; Games; Greece — Social life and customs; Sports

Omens
See also Astrology; Divination; Oracles
Refer from Divination; Portents (s); Presages (s); Signs (omens) (s); Superstition; Warnings (s)

Omnibuses
Refer from Carriages; Carriers; Coaches and coaching; Transportation; Vehicles

Onomatopoeia
Refer from Language; Rhetoric

Ontology *see* Being; Metaphysics; Philosophy
Oology *see* Birds' eggs

Open-air schools

Refer from Education; Forest schools (s); Fresh air schools (s); Hygiene; Outdoor schools (s); Public schools; School hygiene; Schools; Tuberculosis

Open and closed shop
See also Labor unions

Refer from Closed shop (s); Labor and laboring classes; Labor unions; Open shop (s); Strikes and lockouts; Union shop (s)

Open shop *see* Open and closed shop
Opera
See also Operettas; Overtures

Refer from Amusements; Drama; Dramatic music (s); Grand opera (s); Music; Operettas; Theater

——Librettos
Refer from Librettos (s)
——Scores
Refer from Music — Scores
Opera houses *see* Theaters
Operations, Surgical, *see* Surgery
Operettas
See also Opera

Refer from Comic operas (s); Dramatic music (s); Light operas (s); Opera

Ophidia *see* Snakes
Ophthalmia
See also Eye — Diseases and defects

Refer from Eye — Diseases and defects

Ophthalmology *see* Eye
Opinion *see* Belief; Public opinion
Opium
See also Morphine; Narcotic habit; Narcotics

Refer from Agricultural products; Agriculture — Tropics; Morphine; Narcotic habit; Narcotics; Temperance

Opportunity
See also Success

Refer from Conduct of life; Success

Optical chemistry *see* Photochemistry
Optical illusions
See also Mirage

Refer from Illusions and hallucinations; Light; Sight

Optical instruments
See also Astronomical instruments; Kaleidoscope; Lenses; Microscope and microscopy; Polariscope; Reflection (light); Spectacles; Spectroscope; Stereopticon; Stereoscope; Telescope

Refer from Aberration; Glass manufacture; Instruments; Light; Optics, Physiological (s); Reflection (light); Scientific apparatus and instruments

Optical interference *see* Interference (light)
Optics *see* Light
Optics, Physiological, *see* Eye; Optical instruments; Sight
Optimism
See also Cheerfulness; Pessimism

Refer from Cheerfulness; Happiness; Pessimism; Philosophy

Oracles

Refer from Mysteries (religious); Occult sciences; Omens; Prophecies; Religion; Superstition

Oral arithmetic *see* Arithmetic
Orange
See also Fruit

Refer from Fruit; Oranges (s)

Orangemen

Refer from Ireland — Politics; Ireland — Religious history

Oranges *see* Orange
Orations
See also After-dinner speeches; Oratory

Refer from Addresses (s); Declamation (s); Literature; Oratory; Recitations and readings; Speeches (s)

——American
See also Fourth of July orations

Refer from American literature; American orations (s)

——English

Refer from English literature; English orations (s)

Oratorios
See also Cantatas

Refer from Church music; Music; Sacred music (s)

Orators
Oratory
See also Debating; Elocution; Eloquence; Gesture; Lectures and lecturing; Orations; Orators; Preaching; Rhetoric; Voice

Refer from Biography; Oratory; Speakers (s)

Refer from Debating; Elocution; Eloquence; Lectures and lecturing; Orations; Preaching; Public speaking (s); Rhetoric; Speaking (s); Speeches (s); Voice

Orbits
See also Mechanics, Celestial; Perturbation

Refer from Astronomy; Mechanics, Celestial; Perturbation; Planets

Orchard heating *see* Frost protection
Orchards *see* Fruit; Fruit culture
Orchestral music
See also Instrumental music; Instrumentation and orchestration; Overtures; Symphonies

Refer from Instrumental music; Music; Music — Scores; Musical instruments; Orchestras; Symphonies

Orchestras
See also Bands (music); Conducting (music); Orchestral music; Stringed instruments

Refer from Bands (music); Conducting (music); Instrumental music; Music

Orchestration *see* Instrumentation and orchestration
Orchids
See also Floriculture

Refer from Floriculture; Flowers

Ordeals
See also Fire walk

Refer from Criminal law; Manners and customs; Trials

Order of Malta *see* Malta, Knights of
Order of St. George (English) *see* Garter, Order of the
Order of St. John of Jerusalem *see* Malta, Knights of
Order of the Garter *see* Garter, Order of the
Order of Teutonic knights *see* Teutonic knights
Order of the Rosy cross *see* Rosicrucians
Order of the Temple *see* Templars; also Freemasons — Templars
Orders, Architectural, *see* Orders of architecture
Orders, Monastic, *see* Monasticism
Orders, Religious, *see* Religious orders
Orders of architecture
See also Architecture, Greek; Columns

Refer from Architecture; Architecture, Greek; Columns; Orders, Architectural (s)

Orders of knighthood *see* Knights and knighthood
Ordinance of 1787
See also Northwest Territory; U. S. — History — 1783–1812

Refer from Northwest Territory; U. S. — History — 1783–1812

Ordination
See also Clergy

Refer from Bishops; Church polity; Clergy; Episcopacy; Priests; Rites and ceremonies; Sacraments

Ordnance
See also Ammunition; Arsenals; Artillery; Ballistics; Firearms; Gunnery; Gunpowder; Guns; Military art and science; Naval guns; Projectiles

Refer from Ammunition; Arms and armor; Artillery; Ballistics; Cannon (s); Firearms; Gunnery; Guns; Military art and science; Projectiles

Ordovician period *see* Geology, Stratigraphic — Ordovician; Paleontology — Ordovician
Ore deposits
See also Geology, Economic; Iron ores; Mines and mineral resources; Ores

Refer from Geology; Geology, Economic; Metals; Mineral lands (s); Mines and mineral resources; Ores

Ore dressing *see* Ore treatment

Ore treatment
See also Cyanide process; Electrometallurgy; Magnetic separation of ores; Metallurgy; Smelting
Refer from Metallurgy; Ore dressing (s); Ores; Smelting

Oregon trail
Refer from Indian trails; Roads — U. S.; Northwestern states; Trails (s); Western states

Ores
See also Assaying; Geochemistry; Geology, Economic; Iron ores; Metallurgy; Metals; Mineralogy; Mines and mineral resources; Ore deposits; Ore treatment; *also* names of metals
Refer from Assaying; Geochemistry; Geology, Economic; Metallurgy; Metals; Mineralogy; Minerals (s); Mines and mineral resources; Ore deposits

Organ
See also Musical instruments; Organ music; Organists; Reed organ
Refer from Musical instruments; Organs (s); Pipe organ (s)

Organ music
See also Church music
Refer from Church music; Instrumental music; Music — Scores; Organ

Organic chemistry *see* Chemistry, Organic

Organists
See also Musicians
Refer from Musicians; Organ

Organized charity *see* Charity organization
Organized labor *see* Labor unions
Organography *see* Anatomy; Botany, Structural; Morphology

Organotherapy
See also Serum therapy
Refer from Therapeutics

Organs *see* Organ
Orient *see* East
Oriental architecture *see* Architecture, Oriental
Oriental civilization *see* Civilization, Oriental

Oriental languages
See also Armenian language; Chinese language; Dravidian languages; Indo-Aryan languages; Iranian languages; Japanese language; Semitic languages; Tamil language and literature
Refer from Armenian language; Asiatic languages (s); Chinese language; Dravidian languages; Indo-Aryan languages; Iranian languages; Japanese language; Language; Semitic languages

Oriental literature
See also Arabic literature; Assyro-Babylonian literature; Chinese literature; Hebrew literature; Hindu literature; Japanese literature; Persian literature; Sanskrit literature; Tamil language and literature
Refer from Arabic literature; Asia — Literature (s); Asiatic literature (s); Assyro-Babylonian literature; Chinese literature; Hebrew literature; Hindu literature; Japanese literature; Literature; Persian literature; Sanskrit literature; Tamil language and literature

Oriental philosophy *see* Philosophy, Oriental

Orientation
Refer from Animals — Habits and behavior; Animals — Orientation (s); Direction, Sense of (s); Instinct

Orientation (architecture)
Refer from Architecture; Church architecture

Origin of life *see* Life — Origin
Origin of man *see* Man — Origin and antiquity
Origin of species *see* Evolution; Species
Original sin *see* Sin
Oriskany formation *see* Geology, Stratigraphic — Devonian; Paleontology — Devonian
Ornament *see* Decoration and ornament
Ornamental alphabets *see* Illumination of manuscripts and books; Lettering
Ornamental design *see* Design, Decorative

Ornithologists
See also Naturalists
Refer from Naturalists; Scientists; Zoologists

Ornithology *see* Birds
Orology *see* Mountains
Orphan asylums *see* Orphans and orphan asylums

Orphans and orphan asylums
See also Adoption; Charity schools; Children — Charities, protection, etc.; Foundlings

Refer from Asylums; Charities; Charity schools; Children; Children — Charities, protection, etc.; Foundlings; Homes (institutions) (s); Orphan asylums (s)

Orthodox eastern church *see* Greek church
Orthodoxy
See also Calvinism; Congregationalism

Refer from Calvinism; Congregationalism; Theology

Orthoepy *see* Phonetics; Pronunciation
Orthographic projection *see* Projection
Orthography *see* Spelling
Orthopedics *see* Deformities
Orthoptera
See also Insects; Locusts

Refer from Insects; Locusts

Osmosis
See also Absorption (physiology); Chemistry, Physical; Solution (chemistry)

Refer from Absorption (physiology); Cells; Chemistry, Physical; Fluids; Physics; Physiological chemistry; Solution (chemistry)

Osteology *see* Bones
Osteopathy
See also Mechanotherapy

Refer from Mechanotherapy; Therapeutics

Ostriches
See also Birds

Refer from Birds

Ostrogoths *see* Goths
Otology *see* Ear
Outdoor life
See also Camping; Country life; Farm life; Fishing; House boats; Hunting; Mountaineering; Natural history; Nature; Picnics; Sports; Vacations; Walking; Wayfaring life

Refer from Camping; Country life; Natural history; Nature; Rural life (s); Sports; Vacations; Wayfaring life

Outdoor relief
See also Charities

Refer from Charities; Relief work (s)

Outdoor schools *see* Open-air schools
Outlaws
See also Brigands and robbers; Crime and criminals

Refer from Brigands and robbers; Crime and criminals

Ovens
See also Baking; Stoves

Refer from Baking; Cookery; Stoves

Overland journeys to the Pacific [for pre-railroad journeys only]
See also Frontier and pioneer life; Western states

Refer from Frontier and pioneer life; Transcontinental journeys, U. S. (s); U. S. — Description and travel; Western states

Overpressure (education)
See also Curriculum; Overwork

Refer from Curriculum; Education; Fatigue, Mental; Overwork; School hygiene; School management

Overtures

Refer from Instrumental music; Music; Opera; Orchestral music

Overwork
See also Fatigue; Overpressure (education); Rest

Refer from Fatigue; Hygiene; Overpressure (education); Work

Ownership *see* Property
Ox *see* Oxen
Oxen
See also Cattle; Live stock

Refer from Cattle; Live stock; Ox (s)

Oxford movement

Refer from Catholic church; Church of England; Puseyism (s); Tractarianism (s)

Oxygen

Refer from Chemical elements; Gases

Oysters
See also Bivalves; Pearls

Refer from Bivalves; Food; Mollusks; Sea food

Ozone

Refer from Air; Gases

Pacific cable *see* Cables, Submarine

Pacific coast
See also Pacific states

Refer from Pacific states

Pacific states
See also Frontier and pioneer life; Pacific coast; Western states; *also* names of states

Refer from Pacific coast; Western states

Pacing *see* Horse; Horse racing

Pack transportation

Refer from Horse; Transportation

Packing for shipment

Refer from Baggage; Commerce; Transportation

Packing houses
See also Packing industry

Refer from Architecture; Packing industry

Packing industry
See also Beef; Meat; Meat inspection; Packing houses; Slaughtering and slaughterhouses

Refer from Beef; Canned food (s); Food supply; Meat; Packing houses; Slaughtering and slaughterhouses

Padrone system
See also Contract labor

Refer from Contract labor; Italians in the U. S.; Labor and laboring classes

Pagan civilization *see* Civilization, Pagan

Paganism
See also Idolatry; Mythology

Refer from Heathenism (s); Idolatry; Religion

Pageants
See also Coronations; Festivals; Play festivals; Processions

Refer from Acting; Amusements; Drama; Entertainments; Festivals; Processions

Pain
See also Anesthetics; Pleasure; Suffering; Vivisection

Refer from Diagnosis; Emotions; Pleasure; Psychology, Physiological; Senses and sensation; Suffering

Paint
See also Chemistry, Technical; Color; Corrosion and anti-corrosives; Painting

Refer from Chemistry, Technical; Corrosion and anti-corrosives; Painting; Painting, Mechanical; Paints (s); Pigments (s)

Painted glass *see* Stained glass

Painters
See also Artists

Refer from Artists; Painting; Portrait painters (s)

Painting
See also Anatomy, Artistic; Animal painting and illustration; Art; China painting; Christian art and symbolism; Color; Composition (art); Decoration and ornament; Drawing; Esthetics; Figure painting; Flower painting and drawing; Frescoes; Idealism in art; Illumination of manuscripts and books; Impressionism (art); Landscape painting; Marine painting; Miniature painting; Mural painting and decoration; Naturalism in art; Oil painting; Paint; Painters; Painting, Mechanical; Paintings; Pastel; Perspective; Portrait painting; Preraphaelitism; Proportion (art); Realism in art; Scene painting; Sepia painting; Stained glass; Stencil work; Water color painting

Refer from Archaeology; Art; Color; Composition (art); Decoration and ornament; Drawing; Esthetics; Figure painting; Graphic arts (s); Landscape painting; Marine painting; Oil painting; Paint; Paintings; Sketching (s); Water color painting

——**Italian**

Refer from Italian painting (s)

——**Mechanical**
See also Carriage painting; Color; Gilding; Graining; House painting; Lettering; Marbling; Paint; Sign painting; Stains and staining; Varnish and varnishing; Wood finishing

Refer from Carriage painting; Graining; House painting; Industrial arts; Mechanical painting (s); Painting; Sign painting; Varnish and varnishing; Wood finishing

Paintings
See also Art — Exhibitions; Art — Galleries and museums; Art forgeries; Madonnas; Painting; Pictures; Portraits

Refer from Art — Galleries and museums; Painting; Pictures

Paints *see* Paint

Palaces
See also Architecture; Castles; *also* names of palaces, e.g. Alhambra, Louvre, Versailles [palaces], Windsor castle

Refer from Architecture

Palaeontology *see* Paleontology
Paleobotany *see* Fossil plants
Paleography
See also Abbreviations; Alphabet; Books; Charters; Illumination of manuscripts and books; Inscriptions; Manuscripts; Writing

Refer from Alphabet; Archives; Diplomatics (s); Illumination of manuscripts and books; Inscriptions; Manuscripts; Writing

Paleolithic period *see* Stone age
Paleontology [subdivided like Geology, Stratigraphic]
See also Animals, Extinct; Footprints, Fossil; Fossil plants; Geology; *also* names of fossil animals, e.g. Mammoths, Trilobites; and subhead Fossil under names of animals and classes of animals, e.g. Birds, Fossil; Insects, Fossil; Invertebrates, Fossil; Mollusks, Fossil; Reptiles, Fossil

Refer from Animals, Extinct; Animals, Fossil (s); Extinct animals (s); Fossil plants; Fossils (s); Geology; Geology, Stratigraphic; Mammoths; Man; Natural history; Palaeontology (s); Petrifaction (s); Science; Zoology

——U. S.
See also Geology — U. S.

Refer from Geology — U. S.; U. S. — Paleontology (s)

Paleozoic era *see* Geology, Stratigraphic — Paleozoic; Paleontology — Paleozoic
Palmistry

Refer from Amusements; Character; Character reading (s); Cheirognomy (s); Cheiromancy (s); Cheirosophy (s); Chirognomy (s); Chiromancy (s); Chirosophy (s); Divination; Fortune telling; Hand; Superstition

Palsy *see* Paralysis
Panama canal
See also Canal Zone; Ship canals

Refer from Canal Zone; Canals; Isthmian canal (s); Ship canals

Panics
See also Business depression; Speculation; Unemployed

Refer from Business; Business depression; Commerce; Commercial crises (s); Crises, Commercial (s); Economics; Finance; Financial crises (s); Hard times (s); Prices; Prosperity; Speculation; Stock exchange

Panislamism

Refer from Eastern question (Near East); Mohammedanism

Panoramas
See also Cycloramas

Refer from Cycloramas; Entertainments; Pictures

Panslavism

Refer from Eastern question (Near East); Europe — Politics; Russia; Slavs

Pantheism
See also God; Monism; Vedanta

Refer from God; Monism; Philosophy; Religion; Skepticism; Theology

Pantomime
See also Amateur theatricals; Ballet; Gesture; Puppet plays; Shadow pantomimes

Refer from Acting; Amateur theatricals; Amusements; Ballet; Drama; Entertainments; Gesture; Sign language; Theater

Papacy *see* Catholic church; Popes
Papal bulls *see* Bulls, Papal
Papal schism *see* Schism, The great western, 1378–1417
Paper
See also Cellulose; Marbling; Paper work; Papier-maché; Papyrus; Parchment; Stationery; Wall paper; Wood pulp

Refer from Cellulose; Chemistry, Technical; Manufactures; Parchment; Printing; Stationery; Wood pulp; Writing

Paper cutting *see* Paper work
Paper flowers

Refer from Artificial flowers; Flowers; Paper work

Paper hanging *see* Wall paper

Paper money
See also Bank notes; Banks and banking; Finance; Greenbacks; Legal tender; Money

Refer from Bank notes; Bills of credit (s); Bills of exchange (s); Fiat money (s); Greenbacks; Legal tender; Money

Paper work [for children]
See also Paper flowers

Refer from Busy work; Kindergarten; Paper; Paper cutting (s); Manual training

Papier-maché
Refer from Paper

Papyri *see* Manuscripts

Papyrus
Refer from Paper

Parables
See also Allegories; Bible — New Testament — Gospels; Fables; Jesus Christ — Teaching

Refer from Allegories; Bible; Bible — New Testament — Gospels; Fables; Jesus Christ — Teaching

Paradise *see* Eden; Heaven

Parallax
See also Astronomy; Astronomy, Spherical and practical

Refer from Astronomy; Astronomy, Spherical and practical; Heliometer; Solar parallax (s); Stars; Stellar parallax (s); Sun

Paralysis
See also Apoplexy

Refer from Brain; Hemiplegia (s); Medicine — Practice; Palsy (s)

Paramagnetism *see* Magnetism

Parasites
See also Bacteriology; Fungi; Hookworm disease; Insects, Injurious and beneficial

Refer from Animal parasites (s); Animals — Diseases; Biology; Botany; Entozoa (s); Epizoa (s); Helminthology (s); Insects, Injurious and beneficial; Medicine — Practice; Pathology; Plants — Diseases; Worms; Zoology

Parcels post
See also Library post

Refer from Express companies; Library post; Postal service

Parchment
See also Paper

Refer from Manuscripts; Paper

Pardon
Refer from Crime and criminals; Executive power; Law

Parental schools
See also Truant schools

Refer from Juvenile delinquency; Schools; Truant schools

Parents
See also Ancestor worship; Children; Domestic relations; Eugenics; Family; Fathers; Home education; Heredity; Mothers

Refer from Children; Domestic relations; Family; Fathers; Mothers

Parish schools *see* Church schools

Parks
See also Amusement parks; Botanical gardens; Commons; Landscape gardening; Municipal improvement; National parks and reserves; Playgrounds; Zoological gardens; *also* names of cities, subhead Parks

Refer from Botanical gardens; Cities; Commons; Land; Landscape gardening; Municipal improvement; Playgrounds

Parliament *see* England — Parliament; *also* names of other countries

Parliamentary practice
See also Amendments (parliamentary practice); Committees; Legislative bodies

Refer from Amendments (parliamentary practice); Committees; Debating; Law; Legislation; Legislative bodies; Rules of order (s)

Parochial schools *see* Church schools

Parodies
See also Burlesques

Refer from American literature; Burlesques; English literature; German literature; Humor; Literature; Poetry; Satire

Parole
See also Discharged prisoners; Probation system

Refer from Crime and criminals; Discharged prisoners; Indeterminate sentence; Prisons; Probation system; Punishment

Parrots
See also Birds

Refer from Birds

Parsees
See also Avesta; Fire worship; Zoroastrianism

Refer from Avesta; Fire worship; India — Religion; Parsis (s); Religions; Zoroastrianism

Parsis *see* Parsees
Parsons *see* Clergy
Part songs *see* Choruses and part songs
Parthenogenesis

Refer from Biology; Embryology; Reproduction

Parties *see* Balls (parties); Children's parties; Entertaining
Parties, Political, *see* Political parties
Partnership
See also Agency; Bankruptcy; Commercial law; Corporations; Joint-stock companies; Trade-marks

Refer from Commerce; Commercial law; Contracts; Joint-stock companies; Law

Party government *see* Political parties
Party platforms *see* Platforms, Political
Passenger coaches *see* Cars
Passes (free transportation)

Refer from Railroad passes (s); Railroads; Railroads — Passes (s); Railroads — Rates

Passion plays
See also Miracle, morality and mystery plays; Oberammergau passion play

Refer from Drama; Miracle, morality and mystery plays; Theater

Passions *see* Emotions
Passover
See also Jews — Religion; Lord's supper

Refer from Jews; Jews — Religion; Lord's supper

Passports

Refer from International law; Travel

Paste
See also Adhesives; Glue

Refer from Adhesives; Glue

Pastel

Refer from Art; Crayon drawing; Drawing; Painting

Pasteurism

Refer from Hydrophobia; Inoculation

Pastimes *see* Amusements; Games; Sports
Pastoral poetry
See also Nature in poetry

Refer from Bucolic poetry (s); Country life; Eclogues (s); Nature in poetry; Poetry; Rural poetry (s)

Pastoral theology *see* Clergy; Pastoral work
Pastoral work
See also Clergy; Preaching

Refer from Church work; Clergy; Pastoral theology (s); Pastors (s); Theology, Pastoral (s)

Pastors *see* Clergy; Pastoral work; Preachers; Priests
Pastry
See also Baking; Cookery

Refer from Baking; Cookery; Pies (s)

Pastures and meadows
See also Forage plants; Grasses; Grazing; Hay

Refer from Agriculture; Forage plants; Grasses; Grazing; Hay; Meadows (s); Rotation of crops

Patent medicines *see* Medicines, Proprietary
Patents
See also Inventions; Trade-marks

Refer from Discoveries (in science) (s); Industrial arts; Intellectual property (s); Inventions; Law; Letters patent (s); Machinery; Manufactures; Property, Intellectual (s); Trade-marks

Paternalism
See also Despotism; Government ownership; Government regulation of industry; Socialism

Refer from Despotism; Government; Government regulation of industry; Socialism

Pathological botany *see* Plants — Diseases

Pathological chemistry *see* Physiological chemistry
Pathological psychology *see* Mental diseases
Pathology
See also Abscess; Autopsy; Bacteriology; Blood; Contagion and contagious diseases; Diagnosis; Fever; Germ theory of disease; Hair; Hemorrhage; Histology; Hygiene; Immunity; Inflammation; Longevity; Malaria; Medical geography; Medicine; Medicine — Practice; Parasites; Physiological chemistry; Ptomaines; Suppuration; Temperament; Therapeutics; Toxins; Tumors
——Vegetable, *see* Plants — Diseases

Refer from Diagnosis; Disease (s); Hygiene; Medicine; Physiology; Therapeutics

Patience
Patience (game) *see* Solitaire
Patriarchal government *see* Patriarchy
Patriarchs
See also Bible — Old Testament — Genesis

Refer from Conduct of life; Ethics

Refer from Bible; Bible — Old Testament— Biography; Bible — Old Testament — Genesis; Jews

Patriarchy
See also Tribes and tribal system

Refer from Family; Government; Patriarchal government (s); Tribes and tribal system

Patriotic societies
See also U. S. — History — Revolution — Societies; U. S. — History — Civil war — Societies

Refer from Societies; U. S. — History — Revolution — Societies; U. S. — History — Civil war — Societies

Patriotic songs *see* National songs; War songs
Patriotism
See also Citizenship; Loyalty; Preservation of landmarks, scenery, etc.

Refer from Citizenship; Conduct of life; Ethics; Government; Loyalty; Political ethics; Public spirit (s)

Patriots' day

Refer from Holidays

Patristics *see* Fathers of the church
Patrology *see* Fathers of the church
Patrons of husbandry *see* Grange
Pattern making
See also Foundry work; Mechanical drawing

Refer from Foundry work; Machine shop practice; Machinery; Mechanical drawing; Metals

Pauline epistles *see* Bible — New Testament — Epistles
Pauperism *see* Poor
Pavements
See also Asphalt; Bricks; Concrete; Mosaics; Roads; Roads, Macadamized; Sidewalks; Streets

Refer from Asphalt; Bricks; Cement; Concrete; Floors; Municipal engineering; Municipal improvement; Paving (s); Roads; Sidewalks; Streets

Paving *see* Pavements
Pawnbroking
See also Bailments

Refer from Bailments; Banks and banking; Commerce; Pawnshops (s)

Pawnshops *see* Pawnbroking
Peace
See also Arbitration, International; Disarmament; International relations; Militarism; Nonresistance; War

Refer from Arbitration, International; Disarmament; Ethics; International law; International relations; Militarism; Nonresistance; Sociology; War

Peach
See also Fruit

Refer from Fruit

Pear
See also Fruit

Refer from Fruit; Pears (s)

Pearls

Refer from Diving; Jewelry; Mollusks; Oysters; Precious stones

Pears *see* Pear

Peasantry
See also Farm labor; Peasants' war; Villeinage

Refer from Agriculture; Country life; Farm labor; Feudalism; Labor and laboring classes

Peasants' war, 1524–1525
See also Anabaptists; Germany — History — 1517–1740; Reformation — Germany

Refer from Anabaptists; Germany — History — 1517–1740; Peasantry; Reformation — Germany

Peat
See also Briquets; Geology, Economic

Refer from Bog fuel (s); Fertilizers and manures; Fuel; Geology, Economic; Physical geography

Pedagogy *see* Teaching

Peddlers and peddling
See also Salesmanship; Street cries

Refer from Business; Commercial travelers; Hucksters (s); Merchants; Street cries

Pedestrianism *see* Walking

Pediatrics *see* Children — Care and hygiene; Children — Diseases

Pedigrees *see* Genealogy; Heraldry; Horse

Peerage
See also Aristocracy; Heraldry; Knights and knighthood; Titles of honor and nobility

Refer from Aristocracy; Baronage (s); Baronetage (s); Biography; Class distinction; Genealogy; Heraldry; Knightage (s); Knights and knighthood; Nobility (s); Titles of honor and nobility

Pelagianism
See also Church history — Early church

Refer from Church history — Early church; Theology

Pelagic fauna *see* Marine zoology

Pellagra

Refer from Medicine — Practice; Skin — Diseases

Peloponnesian war
See also Greece — History

Refer from Greece — History

Pen and ink drawing *see* Pen drawing

Pen drawing

Refer from Drawing; Pen and ink drawing (s)

Penal codes *see* Criminal law

Penal colonies
See also Exile; Siberia — Exiles

Refer from Banishment (s); Colonies and colonization; Convicts (s); Crime and criminals; Deportation (s); Exile; Exportation (s); Labor colonies (s); Penal institutions (s); Prisons; Punishment; Transportation of criminals (s)

Penal institutions *see* Penal colonies; Prisons; Reformatories

Penal law *see* Criminal law

Penance
See also Absolution; Church discipline; Confession; Fasting; Pilgrimages; Repentance

Refer from Absolution; Catholic church; Church discipline; Church polity; Confession; Pilgrimages; Repentance; Sacraments; Theology

Pendulum
See also Earth — Rotation; Gravitation

Refer from Clocks and watches; Geodesy; Gravitation; Physics; Timekeepers

Peninsular campaign, 1862
See also Army of the Potomac; U. S. — History — Civil war

Refer from Army of the Potomac; U. S. — History — Civil war — Campaigns and battles

Peninsular war, 1807–1814
See also Europe — History — 1789–; Napoleonic wars; Spain — History — 1700–

Refer from England — History — 1714–1837; Europe — History — 1789–; France — History — Consulate and empire; Napoleonic wars; Portugal — History; Spain — History — 1700–

Penitence *see* **Repentance**
Penitentes *see* **Flagellants**
Penitentiaries *see* **Prisons**

Penmanship
See also Graphology; Lettering; Writing

Refer from Business education; Calligraphy (s); Chirography (s); Graphology; Handwriting (s); Writing

Pennsylvania Dutch *see* Germans in Pennsylvania
Pennsylvania Germans *see* Germans in Pennsylvania
Penny lunches *see* School lunches
Penology *see* Punishment
Pens

Refer from Manufactures; Writing

Pensions
See also Annuities; Bounties, Military; Civil service pensions; Old age pensions; Railroads — Pensions; Soldiers' homes; Teachers — Salaries, pensions, etc.

Refer from Annuities; Compensation (s); Poor; Soldiers

——**U. S.**

Refer from U. S. — Pensions (s)

Pentateuch *see* Bible — Old Testament — Pentateuch
Peonage
See also Contract labor

Refer from Contract labor; Labor and laboring classes; Serfdom; Slavery

People
See also Democracy; Folklore; Labor and laboring classes; Liberty; Nations; Poor; Public opinion; Sociology

Refer from Sociology

People's palaces *see* Social centers
Pequot war, 1636–1638
See also Connecticut — History; Indians — Wars; U. S. — History — Colonial period

Refer from Connecticut — History; Indians — Wars; New England — History; U. S. — History — Colonial period

Perception
See also Apperception; Hearing; Psychology; Senses and sensation; Sight; Space perception

Refer from Apperception; Consciousness; Intellect; Knowledge; Psychology; Psychology, Educational; Senses and sensation; Space perception

Perfection, Christian, *see* Sanctification
Perfumery
See also Chemistry, Technical; Incense

Refer from Chemistry, Technical; Cosmetics; Costume; Essences and essential oils; Manufactures; Odors; Perfumes (s); Scent (s); Toilet

Perfumes *see* Odors; Perfumery
Pergolas
See also Architecture

Refer from Architecture; Landscape gardening

Periodic law
See also Chemistry, Physical

Refer from Atomic weights; Chemical elements; Chemistry; Chemistry, Physical; Metals

Periodicals
See also Advertising; Chapbooks; Children's periodicals; Journalism; Liberty of the press; Newspapers; Students' periodicals; *also* subhead Periodicals under various subjects

Refer from Journalism; Literature; Magazines (s); Newspapers; Press (s)

——**England**
See also Newspapers — England

Refer from English literature; English periodicals (s); Newspapers — England

——**Indexes**

Refer from Bibliography; Indexes

——**U. S.**
See also Newspapers — U. S.

Refer from American literature; American periodicals (s); Newspapers — U. S.; U. S. — Periodicals (s)

Perjury
See also Oaths; Witnesses

Refer from Crime and criminals; Criminal law; Oaths; Witnesses

Permian period *see* Geology, Stratigraphic — Permian; Paleontology — Permian

Perpetual motion
Refer from Mechanics; Motion

Persecution
See also Albigenses; Church and state; Friends, Society of; Huguenots; Inquisition; Jews — Persecution; Liberty of conscience; Martyrs; Massacres; Religious liberty; Witchcraft
Refer from Catholic church; Church history; Fanaticism; Heresy; Inquisition; Liberty of conscience; Martyrs; Religious liberty

Persian language
See also Iranian languages
Refer from Iranian languages

Persian literature
See also Avesta; Oriental literature; Persian poetry
Refer from Oriental literature; Persian poetry

Persian poetry
See also Persian literature
Refer from Persian literature

Personal beauty *see* Beauty, Personal
Personal liberty *see* Liberty
Personal names *see* Names, Personal

Personal property
See also Property; Sale; Taxation
Refer from Chattels (s); Law; Personalty (s); Property

Personal religion *see* Christian life and character; Spiritual life

Personality
See also Consciousness; Individuality; Psychical research; Psychology; Soul
Refer from Character; Consciousness; Double consciousness (s); Double personality (s); Dual personality (s); Identity, Personal (s); Individuality; Metaphysics; Multiple personality (s); Philosophy; Psychical research; Psychology; Soul; Subconsciousness

Personalty *see* Personal property

Perspective
See also Drawing; Projection; Proportion (art); Shades and shadows
Refer from Drawing; Geometrical drawing; Geometry; Geometry, Descriptive; Light; Mechanical drawing; Painting; Projection; Proportion (art); Shades and shadows

Perturbation
See also Mechanics, Celestial; Orbits; Planets; Satellites
Refer from Astronomy; Mechanics, Celestial; Orbits; Planets; Satellites

Pessimism
See also Optimism
Refer from Optimism; Philosophy

Pestilences *see* Epidemics

Pests *see* Agricultural pests; Fungi; Household pests; Insects, Injurious and beneficial; *also* Cotton — Diseases and pests, and similar headings

Petition, Right of
Refer from Government; Law; Right of petition (s)

Petrifaction *see* Petrified forests; Paleontology

Petrified forests
See also Trees, Fossil
Refer from Forests, Petrified (s); Fossil plants; Petrifaction (s); Trees, Fossil

Petrography *see* Rocks
Petrol *see* Gasoline
Petrol engines *see* Gas and oil engines

Petroleum
See also Coal-tar products; Gas; Gasoline; Geology, Economic; Lamps; Liquid fuel
Refer from Chemistry, Technical; Coal oil (s); Coal-tar products; Commercial products; Fuel; Gas; Geology, Economic; Kerosene (s); Lighting; Liquid fuel; Mineral oils (s); Oil (s); Oil wells (s); Wells

Petroleum engines *see* Gas and oil engines
Petrology *see* Rocks

Pets
See also Cage birds; Cats; Dogs; Domestic animals
Refer from Animals; Domestic animals

Pewter
See also Alloys

Refer from Alloys; Arts and crafts; Hall marks; Lead; Metal work; Plate; Tin

Phallic worship *see* Phallicism
Phallicism

Refer from Nature worship; Phallic worship (s); Sex worship (s)

Phanerogams
See also Botany, and references under that subject

Refer from Botany

Phansigars *see* Thugs
Phantoms *see* Apparitions
Pharmacists
See also Chemists

Refer from Apothecaries (s); Biography; Chemists; Druggists (s); Pharmacy

Pharmacognosy *see* Drugs; Pharmacy
Pharmacology *see* Drugs; Pharmacy
Pharmacopoeias
See also Dispensatories; Drugs; Materia medica

Refer from Dispensatories; Drugs; Materia medica; Medical botany; Pharmacy

Pharmacy
See also Dispensatories; Drugs; Homeopathy; Materia medica; Medical botany; Pharmacists; Pharmacopoeias; Prescriptions

Refer from Chemistry; Chemistry, Medical (s); Chemistry, Pharmaceutical (s); Drugs; Materia medica; Medical botany; Medical chemistry (s); Medicine; Pharmacognosy (s); Pharmacology (s); Prescriptions; Therapeutics

Philanthropists
See also Philanthropy

Refer from Biography; Philanthropy

Philanthropy
See also Altruism; Charitable societies; Charities; Charity; Philanthropists; Social settlements; Social work

Refer from Benevolence (s); Charities; Ethics; Gifts; Giving (s); Philanthropists; Poor

Philately *see* Postage stamps
Philippine languages
See also Oceanic languages

Refer from Oceanic languages

Philology *see* Language
Philosophers

Refer from Biography; Philosophy

Philosopher's stone
See also Alchemy; Elixir of life

Refer from Alchemy; Elixir of life; Stone, Philosopher's (s)

Philosophical instruments *see* Scientific apparatus and instruments
Philosophy
See also Agnosticism; Analogy; Atheism; Axioms; Being; Belief; Biology; Causation; Certainty; Chance; Christianity; Creation; Critical philosophy; Deism; Dualism; Egoism; Empiricism; Enlightenment; Epicureans; Esthetics; Eternity; Ethics; Evidence; Evolution; Fate and fatalism; Force and energy; Future life; Gnosticism; God; Hedonism; Humanism; Idealism; Individuality; Infinite; Intellect; Knowledge; Liberty; Life; Logic; Man; Manicheism; Materialism; Matter; Metaphysics; Mind and body; Monadology; Monism; Mysticism; Natural religion; Naturalism; Nature; Necessity; Neoplatonism; New thought; Nihilism; Optimism; Pantheism; Personality; Pessimism; Philosophers; Physics; Platonists; Pluralism; Positivism; Pragmatism; Psychology; Rationalism; Realism; Reality; Reason; Religion; Religion and science; Scholasticism; Science; Skepticism; Sophists; Soul; Space; Spiritualism; Stoics; Supernatural; Taoism; Teleology; Theism; Theology; Theosophy; Thought and think-

Refer from Ethics; Knowledge; Life; Mental philosophy (s); Metaphysics; Ontology (s); Psychology; Reason; Religion; Science; Theology; Thought and thinking

Philosophy — Continued
ing; Time; Transcendentalism; Truth; Universe; Utilitarianism; Will; *also* subhead Philosophy under various subjects, e.g. History — Philosophy

——**Ancient**
See also Philosophy, Greek; Philosophy, Oriental

Refer from Philosophy, Greek

——**Chinese**
See also Philosophy, Oriental; Taoism

Refer from Chinese philosophy (s); Philosophy, Oriental; Taoism

——Critical, *see* Critical philosophy

——**English**
See also Philosophy, Modern; Utilitarianism

Refer from English philosophy (s); Philosophy, Modern; Utilitarianism

——**French**
See also Encyclopedists; Philosophy, Modern; Positivism

Refer from French Philosophy (s); Philosophy, Modern; Positivism

——**German**
See also Critical philosophy; Philosophy, Modern; Transcendentalism

Refer from Critical philosophy; German philosophy (s); Philosophy, Modern

——**Greek**
See also Epicureans; Philosophy, Ancient; Platonists; Sophists; Stoics

Refer from Epicureans; Greek philosophy (s); Philosophy, Ancient; Platonists; Sophists; Stoics

——**Hindu**
See also Philosophy, Oriental; Vedanta; Yoga

Refer from Hindu philosophy (s); Hinduism; Philosophy, Oriental; Vedanta; Yoga

——**Medieval**
See also Scholasticism

Refer from Medieval philosophy (s); Scholasticism

——**Modern**
See also Agnosticism; Enlightenment; Evolution; New thought; Pragmatism; Rationalism; Transcendentalism; *also* Philosophy, English; Philosophy, French; Philosophy, German; etc.

Refer from Modern philosophy (s); Philosophy, English; Philosophy, French; Philosophy, German

——Moral, *see* Ethics

——Natural, *see* Physics

——**Oriental**
See also Philosophy, Chinese; Philosophy, Hindu; Philosophy, Persian

Refer from Oriental philosophy (s); Philosophy, Ancient; Philosophy, Chinese; Philosophy, Hindu; Philosophy, Persian

——**Persian**
See also Manicheism; Philosophy, Oriental

Refer from Manicheism; Philosophy, Oriental

Philosophy of history *see* History — Philosophy

Philosophy of religion *see* Religion — Philosophy

Phlebotomy *see* Bloodletting

Phonetic spelling *see* Spelling reform

Phonetics
See also Alphabet; Pronunciation; Speech; Spelling

Refer from Language; Orthoepy (s); Phonology (s); Pronunciation; Sound

Phonograph
See also Telephonograph

Refer from Electricity; Gramophone (s); Graphophone (s); Sound; Talking machines (s)

Phonography *see* Shorthand

Phonology *see* Phonetics

Phosphates
See also Bone products; Fertilizers and manures; Geology, Economic

Refer from Agricultural chemistry; Bone products; Fertilizers and manures; Geology, Economic

Phosphorescence

Refer from Botany — Physiology; Light; Ocean; Radioactivity; Zoology

Photochemistry
See also Chemistry, Physical; Photographic chemistry

Refer from Chemical effects of light (s); Chemistry; Chemistry, Physical; Light; Optical chemistry (s); Photographic chemistry

Photochronograph
See also Ballistics

Refer from Astronomical instruments; Astronomical photography; Ballistics; Chronograph; Photography

Photo-engraving
See also Photogravure; Photomechanical processes

Refer from Engraving; Half-tone process (s); Illustration of books; Photo-etching (s); Photography; Photomechanical processes

Photo-etching *see* Photo-engraving
Photogrammetry *see* Photographic surveying
Photographic chemistry
See also Photochemistry; Photography — Printing processes

Refer from Chemistry; Chemistry, Photographic (s); Photochemistry; Photography; Photography — Printing processes

Photographic optics
See also Lenses

Refer from Lenses; Photography

Photographic surveying

Refer from Photogrammetry (s); Photography; Phototopography (s); Surveying

Photographs

Refer from Photography; Pictures; Portraits

Photography
See also Astronomical photography; Blue prints; Cameras; Collotype; Color photography; Daguerreotypes; Ferrotype; Heliotype; Lenses; Moving pictures; Nature photography; Photochronograph; Photo-engraving; Photographic chemistry; Photographic optics; Photographic surveying; Photographs; Photogravure; Photolithography; Photomechanical processes; Photomicrography; Radiography; Stereopticon; Telephotography

Refer from Art; Cameras; Daguerreotypes; Industrial arts; Light; Printing; Retouching (s); Technology

——**Animals**
See also Nature photography

Refer from Animal photography (s); Animals — Photography (s); Animals — Pictures; Nature photography; Photography of animals (s)

——Astronomical, *see* Astronomical photography
——Color, *see* Color photography
——**Composite**

Refer from Composite photography (s)

——**Flash-light**

Refer from Flash-light photography (s)

——**History**
——Nature, *see* Nature photography
——**Plants**
See also Nature photography

Refer from Nature photography; Photography of plants (s); Plants — Photography (s)

——**Printing processes**
See also Blue prints; Photographic chemistry

Refer from Blue prints; Photographic chemistry; Platinotype (s)

Photography of animals *see* Photography — Animals
Photography of nature *see* Nature photography
Photography of plants *see* Photography — Plants
Photogravure
See also Photomechanical processes

Refer from Engraving; Heliogravure (s); Photo-engraving; Photography; Photomechanical processes

Photolithography
See also Photomechanical processes

Refer from Lithography; Photography; Photomechanical processes

Photomechanical processes
See also Collotype; Heliotype; Photo-engraving; Photogravure; Photolithography

Refer from Collotype; Heliotype; Illustration of books; Photo-engraving; Photography; Photogravure; Photolithography; Process work (s)

Photometry
See also Color; Light

Refer from Electric lighting; Light; Lighting

Photomicrography
See also Microscope and microscopy

Refer from Microphotography (s); Microscope and microscopy; Photography

Phototherapy
See also Radiotherapy

Refer from Blue glass cure (s); Light; Light cure (s); Therapeutics

Phototopography *see* Photographic surveying
Phrase-books *see* names of languages
Phrasing (music)
See also Musical form

Refer from Music; Musical form; Piano — Instruction and study

Phrenology
See also Physiognomy

Refer from Brain; Character; Character reading (s); Head; Man; Mind and body; Physiognomy; Physiology; Psychology; Psychology, Physiological

Phthisis *see* Tuberculosis
Physical chemistry *see* Chemistry, Physical
Physical culture *see* Physical education
Physical deterioration
See also Degeneration; Heredity

Refer from Degeneration; Heredity; Physiology

Physical education
See also Athletics; College athletics; Delsarte system; Exercise; Games; Gymnasiums; Gymnastics; Gymnastics, Medical; Indian clubs; Jiu-jitsu; Play; Running; School athletics; Sports; Training; Walking

Refer from Athletics; Calisthenics (s); Callisthenics (s); Education; Exercise; Gymnasiums; Gymnastics; Gymnastics, Medical; Hygiene; Manly exercise (s); Muscles; Physical culture (s); Physical training (s); Sports; Training

Physical geography
See also Alluvium; Altitudes; Bays and gulfs; Beaches; Caves; Climate; Coast changes; Continents; Deltas; Deserts; Droughts; Dunes; Earth; Earthquakes; Erosion; Geochemistry; Geographical distribution of animals and plants; Geography; Geology; Geysers and hot springs; Glaciers; Hydrography; Ice; Icebergs; Islands; Lakes; Landslides; Magnetism, Terrestrial; Meteorology; Moraines; Mountains; Nature; Ocean; Peat; Plains; Ponds; Prairies; Rivers; Seashore; Springs; Steppes; Tides; Tropics; Valleys; Volcanoes; Water; Water, Underground; Waterfalls; Waterspouts; Waves

Refer from Alluvium; Beaches; Climate; Coast changes; Continents; Deltas; Dunes; Earth; Earthquakes; Erosion; Geography; Geography, Physical (s); Geology; Geonomy (s); Glaciers; Icebergs; Islands; Lakes; Meteorology; Moraines; Mountains; Natural history; Ocean; Physics; Physiography (s); Rivers; Science; Valleys; Volcanoes; Water

——U. S.
See also Geology — U. S.; U. S.— Altitudes

Refer from Geology — U. S.; U. S.— Geography (s); U. S.— Physical geography (s)

Physical geology *see* Geology
Physical instruments *see* Scientific apparatus and instruments
Physical training *see* Athletics; Physical education
Physicians and surgeons
See also Anecdotes, Medical; Medical ethics; Women as physicians

Refer from Biography; Doctors (s); Medical biography (s); Medical directories (s); Medical ethics; Medicine; Medicine — Directories (s); Surgeons (s); Surgery

Physics
See also Agricultural physics; Air; Astronomy; Atoms; Barometer; Capillarity; Chemistry; Chemistry, Physical; Compressibility; Condensation; Diamagnetism; Dynamics; Elasticity; Electricity; Electrostatics; Ether (of space); Evaporation; Expansion (physics); Fluids; Force and energy; Friction; Gases; Gravitation; Gyroscope; Heat; Hydraulics; Hydrostatics; Kinematics; Light; Liquefaction of gases; Liquid air; Liquids; Magnetism; Matter; Mechanics; Meteorology; Molecules; Motion; Motors; Osmosis; Pendulum; Physical geography; Radiation; Radioactivity; Rotation; Soap bubbles; Solids; Sound; Statics; Steam; Thermodynamics; Thermometer; Units; Velocity; Vibration; Viscosity; Water; Waves

Refer from Atoms; Chemistry; Chemistry, Physical; Dynamics; Electricity; Fluids; Force and energy; Gravitation; Heat; Hydraulics; Hydrostatics; Light; Magnetism; Mathematics; Matter; Mechanics; Molecules; Natural history; Natural philosophy (s); Natural science (s); Philosophy; Philosophy, Natural (s); Science; Sound; Vibration

——**Experiments**
See also Electricity — Experiments; Physics — Laboratory manuals

Refer from Experiments (s); Physics — Laboratory manuals

——**Laboratory manuals**
See also Physics — Experiments

Refer from Physics — Experiments

Physiocrats

Refer from Economics; Single tax

Physiognomy
See also Expression; Face; Phrenology

Refer from Character; Character reading (s); Expression; Face; Head; Man; Phrenology; Physiology; Psychology

Physiography *see* Physical geography
Physiological botany *see* Botany — Physiology
Physiological chemistry
See also Absorption (physiology); Animal heat; Antitoxins; Blood; Cells; Chemistry, Legal; Digestion; Enzymes; Fermentation; Gelatin; Metabolism; Osmosis; Proteins

Refer from Animal chemistry (s); Animal heat; Biological chemistry (s); Blood; Cells; Chemistry; Chemistry, Animal (s); Chemistry, Biological (s); Chemistry, Medical (s); Chemistry, Organic; Chemistry, Pathological (s); Chemistry, Physiological (s); Gelatin; Histochemistry (s); Medical chemistry (s); Medicine; Metabolism; Pathological chemistry (s); Pathology; Physiology; Proteins

Physiological psychology *see* Psychology, Physiological
Physiology
See also Absorption (physiology); Anatomy; Biology; Blood; Brain; Breathing; Color of man; Deformities; Degeneration; Digestion; Digestive system; Electrophysiology; Embryology; Growth; Heredity; Hygiene; Longevity; Man; Medicine; Metabolism; Mind and body; Monsters; Morphology; Muscles; Nervous system; Nutrition; Pathology; Phrenology; Physical deterioration; Physiognomy; Physiological chemistry; Protoplasm; Psychology, Physiological; Puberty; Respiratory organs; Senses and sensation; Sex; Sleep; Urinary organs; Vascular system; Voice; Yawning

Refer from Anatomy; Biology; Blood; Body, Human (s); Breathing; Digestive system; Human body (s); Hygiene; Man; Medicine; Metabolism; Muscles; Nervous system; Respiratory organs; Vascular system

——**Comparative**

Refer from Comparative physiology (s); Zoology

Physiology of plants *see* Botany — Physiology
Phytogeography *see* Geographical distribution of animals and plants
Pianists
See also Musicians

Refer from Musicians; Piano

Piano	
See also Harpsichord; Musical instruments; Pianists; Piano music; Piano players; Tuning	*Refer from* Harpsichord; Musical instruments; Pianoforte (s); Spinet (s); Stringed instruments; Virginal (s)
——Instruction and study	
See also Music — Instruction and study; Musical accompaniment; Phrasing (music)	*Refer from* Music — Instruction and study
Piano music	
See also Dance music; Instrumental music; Sonatas	*Refer from* Dance music; Instrumental music; Piano
——Scores	
See also Duets, Instrumental; Sonatas	*Refer from* Music — Scores
Piano players	*Refer from* Piano; Pianola (s)
Pianoforte *see* Piano	
Pianola *see* Piano players	
Picnics	*Refer from* Amusements; Outdoor life
Pictographs *see* Picture writing	
Picts	
See also Celts; Scotland — Antiquities; Scotland — History	*Refer from* Celts; Scotland — Antiquities; Scotland — History; Stone age
Picture books	*Refer from* Children's literature
Picture frames	*Refer from* Frames (for pictures) (s); House decoration; Pictures
Picture posters *see* Posters	
Picture writing	
See also Hieroglyphics	*Refer from* Archaeology; Hieroglyphics; Inscriptions; Pictographs (s); Writing
Pictures	
See also Animals — Pictures; Art — Exhibitions; Art — Galleries and museums; Art forgeries; Caricature and cartoons; Drawings; Engravings; Etchings; Libraries and pictures; Moving pictures; Paintings; Panoramas; Photographs; Picture frames; Portraits; Views	*Refer from* Art; Engravings; Etchings; House decoration; Paintings; Portraits; Views
Picturesque	
See also Esthetics; Landscape	*Refer from* Esthetics; Landscape; Scenery (s)
Piece-work *see* Wages	
Pieces to speak *see* Recitations and readings	
Piers *see* Bridges — Foundations and piers; Wharves	
Pies *see* Pastry	
Pietists	
See also Germany — Religious history	*Refer from* Germany — Religious history
Pig *see* Swine	
Pig iron *see* Cast iron	
Pigeons	
See also Birds	*Refer from* Birds; Carrier pigeons (s); Domestic animals; Doves (s); Homing pigeons (s); Poultry; Squabs (s)
Pigmentation *see* Color of animals; Color of man; Skin	
Pigments *see* Color; Dyes and dyeing; Paint	
Pigmies *see* Dwarfs	
Pigs *see* Swine	
Piles and pile driving	
See also Breakwaters; Cofferdams; Foundations; Wharves	*Refer from* Breakwaters; Civil engineering; Cofferdams; Foundations; Wharves
Pilgrim fathers	
See also Brownists; Massachusetts — History; Mayflower (ship); Plymouth; Puritans; Thanksgiving day; U. S.— History — Colonial period	*Refer from* Biography; Brownists; Christian biography; Massachusetts — History; Mayflower (ship); Plymouth; Puritans; U. S.— Biography; U. S.— History — Colonial period
Pilgrimages	
See also Penance; Shrines	*Refer from* Catholic church; Penance; Shrines; Travel; Voyages and travels

Pillars *see* Columns
Pillory
Refer from Punishment
Pilot guides
Refer from Coast pilots (s); Navigation; Pilots and pilotage; Sailing directions (s)

Pilots and pilotage
See also Pilot guides
Refer from Harbors; Inland navigation; Navigation; Sailors

Ping-pong
Refer from Games; Table tennis (s); Tennis
Pingree plan *see* Vacant lot cultivation
Pins and needles
Refer from Manufactures; Needles (s)
Pioneer life *see* Frontier and pioneer life
Pipe
See also Boiler scale; Pipe fitting; Steam pipes; Tubes
Refer from Pipes (s); Tubes
Pipe fitting
See also Gas fitting; Plumbing; Steam pipes
Refer from Gas fitting; Pipe; Plumbing; Steam fitting (s); Steam pipes
Pipe organ *see* Organ
Pipes *see* Pipe; Pipes, Tobacco; Steam pipes
Pipes, Tobacco
See also Smoking; Tobacco
Refer from Pipes (s); Smoking; Tobacco; Tobacco pipes (s)

Piracy *see* Pirates
Pirates
See also Buccaneers; Privateering; Treasure-trove
Refer from Barbary corsairs (s); Buccaneers; Corsairs (s); Crime and criminals; Filibusters; Freebooters (s); International law; Maritime law; Naval battles; Naval history; Piracy (s)

Pisces *see* Fish
Pisciculture *see* Fish culture
Pistols
See also Firearms
Refer from Arms and armor; Firearms; Guns; Revolvers (s)

Pitch, Mineral, *see* Asphalt
Place names *see* Names, Geographical
Placer mining *see* Gold dredging; Hydraulic mining
Plagiarism
See also Literary forgeries and mystifications
Refer from Authorship; Literary forgeries and mystifications; Literature
Plague
See also Black death; Epidemics; London — Epidemics
Refer from Black death; Bubonic plague (s); Contagion and contagious diseases; Epidemics; London — Epidemics; London — History; Medicine— Practice

Plaids *see* Tartans
Plain chant *see* Chants
Plain song *see* Chants
Plains
See also Prairies; Steppes
Refer from Physical geography
Plainsong *see* Chants
Plane geometry *see* Geometry
Planers *see* Planing machines
Planetesimal hypothesis
Refer from Astronomy; Planets; Solar system; Universe
Planets
See also Asteroids; Astrology; Astronomy; Earth; Moon; Nebular hypothesis; Occultations; Orbits; Perturbation; Planetesimal hypothesis; Plurality of worlds; Satellites; Solar system; Transits; *also* names of planets
Refer from Astronomy; Mechanics, Celestial; Perturbation; Satellites; Solar system; Stars
Planimeter
Refer from Mathematical instruments; Surveying instruments

Planing machines
See also Machine tools; Woodworking machinery
Refer from Machine shop practice; Machine tools; Machinery; Planers (s); Woodworking machinery

Planispheres

Refer from Astronomy; Astronomy — Atlases; Stars

Plankton
See also Fresh-water life; Marine biology; Marine zoology

Refer from Biology; Fresh-water life; Marine biology; Marine zoology

Plans (architecture) *see* Architectural drawing; Architecture, Domestic
Plant anatomy *see* Botany, Structural
Plant breeding
See also Hybridization; Mendel's law; Plant propagation; Seeds — Selection and testing

Refer from Agriculture; Breeding; Fertilization of plants; Floriculture; Gardening; Heredity; Hybridization; Plant propagation; Plants — Breeding (s); Species; Thremmatology (s); Variation (biology)

Plant chemistry *see* Plants — Chemistry and nutrition
Plant diseases *see* Plants — Diseases
Plant embryology *see* Botany — Embryology
Plant forms
See also Design, Decorative; Flower painting and drawing

Refer from Decoration and ornament; Design, Decorative; Floral design (s); Flower forms (s); Flower painting and drawing

Plant geography *see* Geographical distribution of animals and plants
Plant introduction
See also Acclimatization (plants)

Refer from Acclimatization (plants); Geographical distribution of animals and plants

Plant lice
See also Hemiptera

Refer from Aphididae (s); Hemiptera; Insects, Injurious and beneficial

Plant lore
See also Flower language; Folklore; Nature myths

Refer from Folklore; Folklore of plants (s); Nature myths; Plants — Folklore (s)

Plant morphology *see* Botany, Structural
Plant names *see* Botany — Nomenclature
Plant pathology *see* Plants — Diseases
Plant physiology *see* Botany — Physiology
Plant propagation
See also Grafting; Plant breeding; Seeds

Refer from Floriculture; Gardening; Plant breeding; Plants — Propagation (s); Propagation of plants (s)

Plantation songs *see* Negro songs
Planting *see* Agriculture; Forest planting; Gardening; Landscape gardening; Tree planting
Plants [for descriptive and non-systematic material)
See also Agriculture; Alpine plants; Annuals (plants); Aquatic plants; Botany; Climbing plants; Color of plants; Fertilization of plants; Floriculture; Flowers; Gardening; Insectivorous plants; Leaves; Natural history; Nature study; Poisonous plants; Roots; Seedlings; Seeds; Shrubs; Tropical plants; Weeds; *also* names of plants, and headings beginning Plant

Refer from Agriculture; Botany; Flowers; Natural history; Nature; Nature study; Vegetable kingdom (s)

——Acclimatization, *see* Acclimatization (plants)
——Anatomy, *see* Botany, Structural
——Aquatic, *see* Aquatic plants
——Breeding, *see* Plant breeding
——**Chemistry and nutrition**
See also Botany — Physiology; Cellulose; Metabolism

Refer from Agricultural chemistry; Botanical chemistry (s); Botany — Physiology; Chemistry; Chemistry, Botanical (s); Chemistry, Organic; Metabolism; Nutrition of plants (s); Plant chemistry (s); Plants — Nutrition (s)

Plants — Continued
——Classification, *see* Botany — Classification
——Climbing, *see* Climbing plants
——**Collection and preservation**

Refer from Botanizing (s); Collectors and collecting

——Color, *see* Color of plants
——**Cultivated** [for botanical information and lists, not gardening]
See also Floriculture; Gardening

Refer from Botany, Economic; Cultivated plants (s); Domestication; House plants (s)

——**Diseases**
See also Bacteriology, Agricultural; Cotton — Diseases and pests; Dry rot; Fruit — Diseases and pests; Fungi; Galls (botany); Mildew; Parasites; Spraying; Tobacco — Diseases and pests; Trees — Diseases and pests

Refer from Bacteriology, Agricultural; Botany — Pathology (s); Diseases of plants (s); Fruit — Diseases and pests; Fungi; Mildew; Pathological botany (s); Pathology, Vegetable (s); Plant diseases (s); Plant pathology (s); Plants — Pathology (s); Trees — Diseases and pests; Vegetable pathology (s)

——**Effect of chemicals on**

Refer from Agricultural chemistry; Botany — Physiology

——**Effect of temperature on**

Refer from Freezing (s); Frost; Temperature

——Fertilization, *see* Fertilization of plants
——Folklore, *see* Plant lore
——Fossil, *see* Fossil plants
——Geographic distribution, *see* Geographical distribution of animals and plants
——Habits, *see* Botany — Physiology; Plants — Movements
——Insectivorous, *see* Insectivorous plants
——Medicinal, *see* Medical botany
——**Migration**
See also Geographical distribution of animals and plants

Refer from Geographical distribution of animals and plants; Migration of plants (s)

——Morphology, *see* Botany, Structural
——**Movements**
See also Botany — Physiology; Heliotropism; Irritability

Refer from Botany — Physiology; Heliotropism; Irritability; Movements of plants (s); Plants — Habits (s)

——Names, *see* Botany — Nomenclature
——Nutrition, *see* Plants — Chemistry and nutrition
——Pathology, *see* Plants — Diseases
——Photography, *see* Photography — Plants
——Physiology, *see* Botany — Physiology
——Poisonous, *see* Poisonous plants
——Propagation, *see* Plant propagation
——Useful, *see* Botany, Economic

Plaster and plastering
See also Building; Ceilings; Gesso; Mural painting and decoration; Stucco

Refer from Building; Building materials; Ceilings; Masonry; Mural painting and decoration; Plastering (s); Stucco

Plaster casts
See also Modeling; Sculpture; Statues

Refer from Casting (s); Casts, Plaster (s); Modeling; Sculpture; Statues

Plastering *see* Plaster and plastering
Plate
See also Goldsmithing; Hall marks; Pewter; Silversmithing; Silverware

Refer from Gold plate (s); Goldsmithing; Hall marks; Jewelry; Metal work; Silversmithing; Silverware

Plate girders *see* Girders
Plate glass *see* Glass
Plate marks *see* Hall marks

Plate-metal work
See also Metal work

Refer from Metal work

Platforms, Political
See also Political parties

Refer from Government; Party platforms (s); Political platforms (s); Political parties; Politics; U. S. — Politics

Plating
See also Bronzing; Electroplating; Galvanizing; Gilding; Metal coloring

Refer from Galvanizing; Metal work; Silverplating (s); Silverplating (s)

Platinotype *see* Photography — Printing processes

Platinum
See also Metals

Refer from Metals; Precious metals

Platonists
See also Philosophy, Greek; Neoplatonism

Refer from Dualism; Philosophy; Philosophy, Greek

Plattdeutsch *see* Low German language; Low German literature

Play
See also Amusements; Athletics; Games; Kindergarten — Games and songs; Play festivals; Playgrounds; Playhouses (for children); Sports

Refer from Amusements; Animals; Child study; Children; Exercise; Games; Kindergarten; Physical education; Psychology; Psychology, Comparative; Recreation (s)

Play festivals

Refer from Festivals; Pageants; Play

Play writing *see* Drama

Players *see* Actors

Playgrounds
See also Parks; Vacation schools

Refer from Amusements; Children; Children — Charities, protection, etc.; Municipal improvement; Neighborhood improvement; Parks; Play; Public playgrounds (s); School children; School hygiene; School playgrounds (s); Schools; Social centers

Playhouses (for children)

Refer from Play

Playing-cards *see* Cards

Playright *see* Copyright

Plays *see* Amateur theatricals; Drama

Playwrights *see* Dramatists

Pleading and practice
See also Actions at law; Appeal; Chancery; Costs; Courts; Equity; Forms (in law); Law; Trials

Refer from Actions at law; Costs; Courts; Equity; Forms (in law); Law; Practice (law) (s); Procedure (s); Trials

Pleasure
See also Contentment; Emotions; Happiness; Hedonism; Joy; Pain

Refer from Emotions; Ethics; Happiness; Hedonism; Joy; Pain; Psychology

Pleistocene period *see* Glacial period

Pliocene period *see* Geology, Stratigraphic—Pliocene; Paleontology — Pliocene

Plots (drama, novel, etc.)
See also Shakespeare, William — Plots

Refer from Authorship; Drama; Dramatic plots (s); Fiction; Literature; Poetry; Scenarios (s)

Ploughs *see* Plows

Plowing *see* Tillage

Plows
See also Farm implements and machinery

Refer from Farm implements and machinery; Ploughs (s); Tillage

Plumbago *see* Graphite

Plumbing
See also Gas fitting; Lead burning; Pipe fitting; Sanitary engineering; Sanitation, Household; Solder and soldering

Refer from Architecture; Architecture, Domestic; Building; Gas fitting; House drainage (s); Industrial arts; Lead; Lead burning; Pipe fitting; Sanitary engineering; Sanitation, Household; Sewerage; Traps (plumbing) (s); Water supply

Pluralism

Refer from Metaphysics; Philosophy

Plurality of worlds

Refer from Astronomy; Life in other worlds (s); Planets; Theology; Universe; Worlds, Plurality of (s)

Plutocracy *see* Wealth
Plymouth brethren
Pneumatic pumps *see* Air pumps
Pneumatic tires *see* Tires
Pneumatic transmission *see* Compressed air; Pneumatic tubes
Pneumatic tubes
See also Compressed air

Refer from Darbyites (s); Sects

Refer from Compressed air; Conveying machinery; Pneumatic transmission (s); Transportation

Pneumatics *see* Air; Gases
Pneumonia
See also Lungs; Respiratory organs — Diseases

Refer from Lungs; Medicine — Practice; Respiratory organs — Diseases

Poaching
See also Game laws

Refer from Game laws; Hunting; Trapping

Poetry
See also Alliteration; Ballads; Bards; Children's poetry; Christmas poetry; College verse; Drama; Elegiac poetry; Epic poetry; Humor; Hymns; Literature; Love poetry; Lyric poetry; Macaronic verse; Meter; Minnesingers; Nonsense verse; Odes; Parodies; Pastoral poetry; Plots (drama, novel, etc.); Poetry of places; Poets; Prosody; Quotations; Religious poetry; Rhyme; Rhythm; Songs; Sonnets; Troubadours; Trouvères; Versification; War poetry; *also* special subjects, e.g., Animals in poetry, Children in poetry, Flowers in poetry, Nature in poetry, and subhead Poetry under various subjects; *also* American poetry, English poetry, etc.

Refer from Ballads; Esthetics; Literature; Meter; Poets; Prosody; Rhetoric; Romances; Versification

——**Collections**
See also Recitations and readings

Refer from Anthologies (s); Recitations and readings

Poetry of animals *see* Animals in poetry
Poetry of childhood *see* Children in poetry; Children's poetry; Nursery rhymes
Poetry of flowers *see* Flowers in poetry
Poetry of love *see* Love poetry
Poetry of nature *see* Nature in poetry
Poetry of places
Poetry of war *see* War poetry

Refer from Poetry

Poets
See also Authors; Bards; Dramatists; Meistersingers; Minnesingers; Minstrels; Poetry; Poets laureate; Troubadours; Trouvères

Refer from Authors; Dramatists; Poetry

Poets laureate

Refer from Laureates (s); Poets; Poets, English

Pointed architecture *see* Architecture, Gothic
Poison *see* Poisons; Ptomaines; Toxins
Poisonous plants
See also Medical botany

Refer from Botany, Economic; Plants; Plants, Poisonous (s); Poisons

Poisons
See also Alkaloids; Antitoxins; Arsenic; Chemistry, Legal; Drugs; First aid in illness and injury; Lead poisoning; Medical jurisprudence; Narcotics; Poisonous plants; Ptomaines; Toxins; Venom

Refer from Accidents; Antidotes (s); Chemistry; Chemistry, Legal; Drugs; First aid in illness and injury; Medical jurisprudence; Medicine; Murder; Poison (s); Therapeutics; Toxicology (s); Toxins; Venom

Poker
See also Cards

Refer from Cards; Draw-poker (s); Gambling

Poker work *see* Pyrography
Polanders *see* Poles (Polanders)

Polar light *see* Auroras
Polar regions *see* Antarctic regions; Arctic regions; North pole; South pole

Polariscope
See also Polarization (light)

Refer from Optical instruments; Polarization (light)

Polarization (light)
See also Magneto-optics; Polariscope; Stereochemistry

Refer from Light; Magneto-optics; Polariscope

Poles
See also Wood — Preservation

Refer from Telegraph; Telegraph poles (s); Telephone; Telephone poles (s); Wood

Poles (Polanders)
See also Poland; Slavs

Refer from Poland; Polanders (s); Slavs

Poles in the U. S.
See also Slavs in the U. S.

Refer from Slavs in the U. S.; U. S.— Foreign population

Police
See also Constables; Crime and criminals; Detectives; Prisons; *also* names of countries and cities, subhead Police

Refer from Constables; Crime and criminals; Detectives; Government; Law; Municipal government; Prisons; Town officers

Police courts *see* Courts, Municipal

Police power
See also Civil rights; Constitutional law; Eminent domain; Government regulation of industry; Restraint of trade

Refer from Constitutional law; Eminent domain; Government; Government regulation of industry; Law; Restraint of trade

Polish language
See also Slavic languages

Refer from Slavic languages

Polish literature
See also Slavic literature

Refer from Slavic literature

Polishing *see* Grinding and polishing
Politeness *see* Courtesy; Etiquet
Political bosses *see* Boss rule

Political conventions
See also Nominations; Political parties

Refer from Conventions, Political (s); Elections — U. S.; Government; Nominations; Political parties; U. S.— Conventions and public meetings

Political corruption
See also Boss rule; Bribery; Campaign funds; Civil service reform; Graft; Lobbying; Political ethics

Refer from Boss rule; Bribery; Civil service reform; Corrupt practices at elections (s); Corruption in politics (s); Elections; Government; Graft; Lobbying; Municipal corruption (s); Political ethics; Politics

Political economy *see* Economics

Political ethics
See also Bribery; Citizenship; Compromise; Graft; Patriotism; Political corruption

Refer from Citizenship; Ethics; Ethics, Political (s); Government; Political corruption; Politics; Social ethics; State ethics

Political offenses
See also Extradition; Treason

Refer from Crime and criminals; Extradition; Government; Impeachment; International law

Political parties
See also Campaign funds; Campaign literature; Independents (in politics); Platforms, Political; Political conventions; Politics; *also* names of parties, e.g. Democratic party; Free soil party; Know-nothing party; Republican party; Tories, English; Whig party; and names of countries, subhead Politics

Refer from Government; Parties, Political (s); Party government (s); Platforms, Political; Political conventions; Politics; U. S. — Politics

Political platforms *see* Platforms, Political
Political science *see* Government
Political songs *see* Campaign songs

Politics *See also* Ballot; Boss rule; Campaign funds; Campaign literature; Civil service; Elections; Government; Independents (in politics); International relations; Liberalism; Lobbying; Nominations; Platforms, Political; Political corruption; Political ethics; Political parties; Primaries; Sectionalism; Suffrage; *also* names of countries and states, subhead Politics, and names of cities, subhead Government and politics	*Refer from* Government; Political parties
Poll tax	*Refer from* Taxation
Pollination *see* Fertilization of plants	
Pollution of streams *see* Water pollution	
Polo	*Refer from* Games; Horsemanship
Polyandry *See also* Polygamy	*Refer from* Marriage; Polygamy
Polygamy *See also* Harem; Marriage; Mohammedanism; Mormons and Mormonism; Polyandry	*Refer from* Marriage; Polyandry
Polynesian languages *See also* Oceanic languages	*Refer from* Oceanic languages
Polyphase currents *see* Electric currents, Alternating	
Polyps *see* Coelenterata	
Polytechnic schools *see* Technical education	
Polytheism *See also* Religions	*Refer from* God; Religions
Polyzoa *See also* Invertebrates	*Refer from* Bryozoa (s); Invertebrates; Marine zoology
Pomology *see* Fruit; Fruit culture	
Pond life *see* Fresh-water life	
Ponds *See also* Fresh-water life; Lakes	*Refer from* Lakes; Physical geography; Water
Pontiac's conspiracy, 1763–1765 *See also* Indians — Wars; U. S. — History — Colonial period	*Refer from* French and Indian war; Indians — Wars; U. S.— History — Colonial period
Poor *See also* Almshouses; Asylums; Begging; Charities; Children — Charities, protection, etc.; Cost of living; Farm colonies; Friendly visiting; Homes for the aged; Housing problem; Labor and laboring classes; Old age pensions; Pensions; Philanthropy; Poor laws; Slums; Social settlements; Standard of living; Sweating system; Tenement houses; Thrift; Tramps; Unemployed; *also* names of cities, subhead Poor	*Refer from* Aged poor (s); Almsgiving (s); Almshouses; Asylums; Begging; Benevolence (s); Charities; Dangerous classes (s); Dependent classes (s); Economics; Labor and laboring classes; Pauperism (s); People; Poverty (s); Slums; Social problems; Social settlements; Sociology; Tenement houses; Unemployed; Vagrancy (s)
Poor laws	*Refer from* Charities; Law; Poor; Vagrancy (s)
Poorhouses *see* Almshouses	
Popes *See also* Apostolic succession; Bulls, Papal; Catholic church; Vatican; Vatican council	*Refer from* Apostolic succession; Bulls, Papal; Catholic church; Catholic church — Popes (s); Church polity; Holy See (s); Kings and rulers; Papacy (s); Rulers (s); Ultramontanism; Vatican
——Authority and supremacy *See also* Catholic church — Authority	*Refer from* Authority (in religion); Catholic church — Authority; Supremacy of the pope (s)
——Biography *See also* Popes — History	*Refer from* Biography; Christian biography; Popes — History
——Election	

Popes — Continued
——**History**
See also Catholic church — History; Church history; Popes — Biography; Schism, The great western, 1378–1417 — *Refer from* Catholic church — History; Church history; Popes — Biography; Schism, The great western, 1378–1317
——**Infallibility**
See also Vatican council — *Refer from* Catholic church — Infallibility (s); Infallibility; Vatican council
——**Temporal power**
See also Church history — Middle ages — *Refer from* Catholic church — History; Church and state; Church history — Middle ages; Temporal power of the pope (s)

Popish plot, 1678
See also England — History — Stuarts — *Refer from* Conspiracies; England — History — Stuarts

Popular election of senators *see* Senators — U. S. — Election
Popular errors *see* Errors, Popular
Popular government *see* Democracy
Popularity — *Refer from* Conduct of life; Ethics; Success
Population
See also Birth rate; Census; Malthusianism; Statistics; Vital statistics; *also* names of countries, states and cities, subhead Population — *Refer from* Economics; Malthusianism; Sociology; Statistics; Vital statistics
Porcelain *see* Pottery
Porifera *see* Sponges
Porisms — *Refer from* Geometry
Portable buildings — *Refer from* Architecture; Buildings, Portable (s)
Portages — *Refer from* Indian trails; Roads
See also Indian trails
Portents *see* Omens
Portland cement *see* Cement
Portrait painters *see* Painters
Portrait painting
See also Miniature painting — *Refer from* Painting
Portraits
See also Crayon drawing; Photographs; Pictures — *Refer from* Art; Biography; Iconography (s); Paintings; Pictures
Ports *see* Harbors
Portuguese language
See also Romance languages — *Refer from* Romance languages
Portuguese literature
See also Romance literature — *Refer from* Romance literature
Positivism
See also Philosophy, French — *Refer from* Agnosticism; Deism; Naturalism; Philosophy; Philosophy, French; Religion; Religion of humanity (s)

Posology *see* Prescriptions
Possession (in law)
See also Limitations (law) — *Refer from* Adverse possession (s); Law; Limitations (law); Property; Real estate

Post-mortem examinations *see* Autopsy
Post-office *see* Postal service
Postage stamps — *Refer from* Collectors and collecting; Philately (s); Postal service; Stamps (s)

Postal savings banks — *Refer from* Banks and banking; Government banking (s); Postal service; Savings banks

Postal service
See also Franking privilege; Library post; Parcels post; Postage stamps; Postal savings banks; Postal telegraph; Railway mail service; Rural free delivery — *Refer from* Carriers; Communication; Mail (s); Post-office (s); Railway mail service; Transportation
——**U. S.**
See also Rural free delivery — *Refer from* Rural free delivery; U. S.— Postal service (s)

Postal telegraph
See also Government ownership

Refer from Government ownership; Postal service; Telegraph; Telegraph, Postal (s)

Posters
See also Billposting

Refer from Advertising; Art; Billposting; Drawing; Picture posters (s)

Post-Nicene fathers *see* Fathers of the church
Potatoes
See also Vegetables

Refer from Vegetables

Potential, Theory of

Refer from Electric potential (s); Electrostatics; Force and energy; Gravitation; Theory of potential (s)

Potomac, Army of the, *see* Army of the Potomac
Pottery
See also Annealing; Arts and crafts; Bric-a-brac; China painting; Clay industries; Concrete pottery; Glazing; Indians — Pottery; Majolica; Terra cotta; Tiles; Urns; Vases

Refer from Archaeology; Arts and crafts; Bric-a-brac; Ceramics (s); China (porcelain) (s); China painting; Chinaware (s); Clay industries; Crockery (s); Decoration and ornament; Earthenware (s); Faience (s); Fayence (s); Industrial arts; Industries, Primitive; Keramics (s); Majolica; Manufactures; Porcelain (s); Stoneware (s); Terra cotta; Tiles; Vases

Pouched animals *see* Marsupialia
Poultry
See also Ducks; Eggs; Geese; Incubators; Pigeons; Poultry houses; Turkeys

Refer from Birds; Chickens (s); Domestic animals; Ducks; Eggs; Food; Fowl (s); Fowls (s); Geese; Hen (s); Hens (s); Incubators; Live stock; Poultry houses; Turkeys

Poultry houses
See also Farm buildings; Poultry

Refer from Farm buildings; Hen houses (s); Poultry

Poverty *see* Poor
Powder *see* Gunpowder
Power
See also Compressed air; Dynamometer; Electric power; Engines; Force and energy; Machinery; Mechanics; Motors; Power plants; Power transmission; Steam; Water power

Refer from Mechanics

Power boats *see* Motor boats
Power houses *see* Power plants
Power of attorney *see* Agency
Power plants
See also Hydro-electric plants; Power transmission

Refer from Central power stations (s); Mechanical engineering; Power; Power houses (s); Power stations (s); Power transmission

——Electric
See also Electric power; Electric power transmission; Hydro-electric plants

Refer from Electric engineering; Electric plants (s); Electric power; Electric power plants (s); Electric power transmission; Electric stations (s); Electricity — Distribution

——Steam
See also Boilers; Steam engines

Refer from Steam engines; Steam plants (s); Steam power plants (s)

Power stations *see* Power plants
Power transmission
See also Belting; Cables; Compressed air; Electric power transmission; Gearing; Machinery; Mechanical engineering; Motors; Power plants; Pulleys; Rope driving; Shafting

Refer from Belting; Electric power transmission; Gearing; Machinery; Mechanical engineering; Mechanics, Applied; Power; Power plants; Pulleys; Rope driving; Shafting; Transmission of power (s)

Powers (law)
See also Administrators and executors; Agency; Trustees

Refer from Agency; Law

Practical ethics *see* Conduct of life
Practical theology *see* Christian life and character
Practice (law) *see* Pleading and practice
Pragmatism

Refer from Empiricism; Ethics; Experience; Philosophy; Philosophy, Modern

Prairies
See also Western states

Refer from Physical geography; Plains; Western states

Prayer
See also Devotional exercises; Family worship; Lord's prayer; Prayer meetings; Prayers; Responsive worship; Ritualism; Worship

Refer from Christian life and character; Devotion (s); Family worship; Religion; Theology; Worship

Prayer books
See also Breviaries; Liturgies; Prayers

Refer from Collects (s); Liturgies; Prayers

Prayer meetings

Refer from Church services; Prayer; Revivals

Prayers
See also Devotional exercises; Family worship; Litanies; Liturgies; Lord's prayer; Prayer books; Rosary

Refer from Collects (s); Devotional exercises; Family worship; Liturgies; Prayer; Prayer books; Rites and ceremonies; Worship

Preachers
See also Clergy; Preaching

Refer from Christian biography; Clergy; Ministers of the gospel (s); Pastors (s); Preaching

Preaching
See also Anecdotes, Religious; Elocution; Oratory; Preachers; Sermons

Refer from Church polity; Clergy; Elocution; Homiletics (s); Oratory; Pastoral work; Preachers; Pulpit oratory (s); Rhetoric; Sermons; Speaking (s)

Preaching friars *see* Dominicans
Preadamites *see* Man — Origin and antiquity
Pre-Cambrian period *see* Geology, Stratigraphic — Archaean; Paleontology —Archaean
Precedence
See also Class distinction

Refer from Class distinction; Courts and courtiers; Diplomacy; Etiquet; Genealogy; Heraldry

Precession of the equinoxes *see* Equinoxes
Précieuses
See also Salons

Refer from French language; French literature; Salons; Women in France

Precious metals
See also Gold; Money; Platinum; Radium; Silver

Refer from Bimetallism; Bullion (s); Economics; Gold; Metals; Mines and mineral resources; Silver

Precious minerals *see* Mineralogy; Mines and mineral resources; Rare earths
Precious stones
See also Birth stones; Diamonds; Gems; Jewelry; Pearls

Refer from Diamonds; Gems; Jewelry; Mineralogy; Stone; Stones (s)

Précis writing

Refer from Abstract writing (s); Rhetoric

Precocity

Refer from Children; Genius; Psychology

Predestination
See also Arminianism; Calvinism; Freedom of the will; Salvation

Refer from Baptism—Infants; Calvinism; Election (in theology) (s); Fate and fatalism; Foreordination (s); Freedom of the will; Infant salvation; Necessity; Salvation; Sin; Theology

Predictions *see* Forecasts; Prophecies
Preëxistence
See also Soul; Transmigration

Refer from Reincarnation (s); Soul; Transmigration

Prehistoric archaeology *see* Archaeology
Prehistoric man *see* Man — Origin and antiquity

Premature burial *see* Burial, Premature
Premonitions *see* Presentiments
Prenatal influences
See also Eugenics — *Refer from* Children; Eugenics; Heredity
Preparatory schools *see* Academies (schools); Education, Secondary
Prepared cereals *see* Cereals, Prepared
Preraphaelitism — *Refer from* Art; Painting; Painting, English
Presages *see* Omens
Presbyterian church
See also Church of Scotland; Presbyterianism — *Refer from* Church of Scotland; Presbyterianism
Presbyterianism
See also Calvinism; Church of Scotland; Covenanters; Presbyterian church — *Refer from* Calvinism; Church of Scotland; Church polity; Congregationalism; Covenanters; Dissenters; Presbyterian church; Puritans; Sects
Prescriptions
See also Pharmacy — *Refer from* Pharmacy; Posology (s)
Presentiments — *Refer from* Premonitions (s); Psychical research; Psychology; Thought transference
Presents *see* Gifts
Preservation of food *see* Cold storage; Food preservation and preservatives
Preservation of landmarks, scenery, etc.
See also Historic houses; Niagara Falls — Preservation; Trees, Historic — *Refer from* Historic houses; Landmarks, Preservation of (s); Landscape; Municipal improvement; Patriotism; Trees, Historic
Preservation of wood *see* Wood — Preservation
Preservatives (food) *see* Food preservation and preservatives
Preserving *see* Canning and preserving
Presidential campaigns *see* Elections — U. S.; Presidents — U. S.— Election
Presidential elections *see* Elections — U. S.; Presidents — U. S. — Election
Presidential government *see* Democracy; Republics
Presidents
See also Executive power; Veto — *Refer from* Biography; Executive power; Kings and rulers; Rulers (s)
——U. S.
See also Inaugurations — *Refer from* U. S.— Biography; U. S.— Presidents (s)
——U. S. — Election
See also Elections — U. S. — *Refer from* Campaigns, Presidential (s); Elections — U. S.; Presidential campaigns (s); Presidential elections (s)
Press *see* Journalism; Liberty of the press; Newspapers; Periodicals
Press clippings *see* Clippings
Presses, Printing, *see* Printing presses
Prestidigitation *see* Conjuring
Presumptive evidence *see* Evidence
Prevarication *see* Equivocation
Prevention of cruelty to animals *see* Animals — Treatment
Price of food *see* Cost of living
Prices
See also Book prices; Cost of living; Economics; Food supply; Marketing of farm produce; Panics; Railroads — Rates; Salaries; Standard of living; Supply and demand; Value; Wages — *Refer from* Commerce; Consumption (economics); Cost; Cost of living; Economics; Finance; Manufactures; Money; Supply and demand; Value; Wages
Pride and vanity — *Refer from* Ethics; Vanity (s)

Priesthood *see* Priests

Priests
See also Catholic church — Clergy; Celibacy; Clergy; Ordination

Refer from Catholic church — Biography; Catholic church — Clergy; Church of England — Clergy; Church polity; Clergy; Ministers of the gospel (s); Pastors (s); Priesthood (s); Protestant Episcopal church in the U. S.— Clergy

Priests' holes *see* Secret chambers
Prima donnas *see* Singers

Primaries
See also Caucus; Elections; Nominations

Refer from Caucus; Direct nominations (s); Direct primaries (s); Elections; Elections — U. S.; Government; Nominations; Politics Primary elections (s); U. S.— Politics

Primary batteries *see* Electric batteries
Primary education *see* Education, Elementary
Primary elections *see* Primaries
Primary schools *see* Education, Elementary

Primates
See also Apes; Gorillas; Mammals; Man; Monkeys

Refer from Apes; Mammals; Monkeys

Prime ministers

Refer from Ministers of state; Statesmen

Primers
See also Hornbooks; Readers

Refer from Readers; Spellers; Textbooks

Primitive art *see* Art, Primitive
Primitive Christianity *see* Church history — Early church
Primitive culture *see* Civilization — History
Primitive industries *see* Industries, Primitive
Primitive man *see* Man — Origin and antiquity; Savages
Primitive society *see* Society, Primitive

Primogeniture
See also Entail; Inheritance

Refer from Descent (s); Entail; Inheritance; Law

Princes and princesses
See also Courts and courtiers; Monarchy

Refer from Biography; Courts and courtiers; Kings and rulers; Monarchy; Princesses (s); Royalty (s)

Princesses *see* Princes and princesses
Principal and agent *see* Agency
Principals, School, *see* School superintendents and principals

Printers
See also Typographical societies

Refer from Biography; Printing

Printers' marks

Refer from Incunabula; Marks, Printers' (s); Printing; Trade-marks

Printing
See also Block books; Books; Calico printing; Capitalization; Colophons; Color printing; Electrotyping; Embossing; Incunabula; Ink; Paper; Photography; Printers; Printers' marks; Printing presses; Proof reading; Publishers and publishing; Stereotyping; Title-pages; Type; Typesetting; Typesetting machines; Typographical societies; Zincography

Refer from Alphabet; Block books; Books; Communication; Industrial arts; Literature; Publishers and publishing; Stereotyping; Type; Typesetting; Typography (s)

Printing presses

Refer from Machinery; Presses, Printing (s); Printing

Prints *see* Engravings
Prison *see* Prisons
Prison escapes *see* Escapes
Prison labor *see* Convict labor
Prisoners, Discharged, *see* Discharged prisoners

Prisoners of war
See also Concentration camps; *also* subhead Prison life under various wars

Refer from Military art and science; Prisons; War

Prisons
See also Convict labor; Crime and criminals; Discharged prisoners; Indeterminate sentence; Parole; Penal colonies; Police; Prisoners of war; Probation system; Punishment; Reformatories; Workhouses; *also* names of cities, subhead Prisons and reformatories

Refer from Convict labor; Convicts (s); Crime and criminals; Criminal law; Dungeons (s); Gaols (s); Government; Imprisonment (s); Indeterminate sentence; Jails (s); Penal institutions (s); Penitentiaries (s); Police; Prison (s); Public institutions (s); Punishment; Reform; Reformatories; Sociology; Workhouses

——U. S.
See also Crime and criminals — U. S.

Refer from Crime and criminals — U. S.; U. S.— Prisons (s)

Private judgment
See also Liberty of conscience; Religious liberty

Refer from Liberty of conscience; Theology

Private libraries *see* Libraries, Private

Private schools
See also Academies (schools); Taxation, Exemption from

Refer from Academies (schools); Boarding schools (s); Education; Education, Elementary; Education, Secondary; Schools

Private theatricals *see* Amateur theatricals

Privateering
See also Alabama claims; Maritime law; Prizes (international law); Search, Right of

Refer from International law; Letters of marque (s); Maritime law; Naval art and science; Naval history; Pirates; Prizes (international law)

Privileged classes
See also Leisure class; Monopolies

Refer from Economics; Government; Monopolies

Prize fighting *see* Boxing

Prizes *see* Prizes (international law); Rewards (prizes, etc.)

Prizes (international law)
See also Contraband of war; Maritime law; Neutrality; Privateering; Salvage

Refer from International law; Maritime law; Privateering; Prizes (s); Rewards (prizes, etc.); War

Probabilities
See also Annuities; Chance; Errors, Theory of; Insurance; Least squares; Logic

Refer from Algebra; Betting; Certainty; Chance; Errors, Theory of; Fortune (s); Gambling; Least squares; Logic; Lotteries; Mathematics; Statistics

Probate law and practice
See also Administrators and executors; Guardians; Inheritance; Jurisdiction; Trustees; Wills

Refer from Administrators and executors; Courts; Guardians; Inheritance; Law; Surrogate law (s); Trustees; Wills

Probation (theology) *see* Future life; Purgatory

Probation system
See also Juvenile courts; Parole

Refer from Crime and criminals; Criminal law; Indeterminate sentence; Juvenile courts; Parole; Prisons; Punishment; Reformatories; Suspended sentence (s)

Procedure *see* Actions at law; Pleading and practice

Process work *see* Photomechanical processes

Processions
See also Pageants

Refer from Festivals; Pageants

Procrastination

Refer from Conduct of life

Producer gas *see* Gas; Gas producers

Production *see* Economics; Industry

Products, Agricultural, *see* Agricultural products

Products, Commercial, *see* Commercial products
Profanation *see* Sacrilege
Profanity *see* Swearing
Profession, Choice of
See also Business; Occupations; Women — Occupations
Refer from Business; Choice of profession (s); Occupations; Professions; Success
Professional education
See also Law — Study and teaching; Library schools and training; Medicine — Study and teaching; Technical education; Theology — Study and teaching; Vocational education
Refer from Education; Education, Higher (s); Education, Professional (s); Higher education (s); Professions; Technical education; Vocational education
Professional ethics *see* Legal ethics; Medical ethics
Professions
See also Clergy; Dentistry; Journalism; Law; Library science; Medicine; Occupations; Profession, Choice of; Professional education; Teaching
Refer from Occupations; Vocations (s)
Profit
See also Capital; Economics; Interest; Wages
Refer from Business; Capital; Economics
Profit sharing
See also Communism; Cooperation; Industrial betterment; Labor and capital; Labor and laboring classes
Refer from Commerce; Cooperation; Economics; Industrial betterment; Labor and capital; Labor and laboring classes; Wages
Program music
Refer from Instrumental music; Music
Progress
See also Civilization; Economic determinism; Nineteenth century; Reform; Twentieth century
Refer from Civilization; Ethics; History; Sociology
Progressive taxation *see* Taxation, Progressive
Prohibited books
See also Liberty of the press
Refer from Books; Books and reading; Censorship of the press (s); Condemned books (s); Liberty of the press
Prohibition
See also Liquor laws; Liquor problem; Local option; Temperance
Refer from Liquor laws; Liquor problem; Liquor traffic; Local option; Temperance
Projectiles
See also Ammunition; Ballistics; Firearms; Gunnery; Ordnance
Refer from Ammunition; Artillery; Ballistics; Bullets (s); Firearms; Gunnery; Military art and science; Ordnance; Shells (explosives) (s)
Projection
See also Geometrical drawing; Geometry, Descriptive; Mechanical drawing; Perspective
Refer from Drawing; Geometrical drawing; Geometry, Descriptive; Mechanical drawing; Orthographic projection (s); Perspective
Prologues
See also Drama
Refer from Drama
Promoting
See also Corporations; Securities
Refer from Advertising; Business; Capitalization (finance) (s); Corporations
Promotion (in schools) *see* School grading and promotions
Pronunciation
See also Phonetics; Pronunciation, English; *also* names of languages other than English, e.g. German language — Pronunciation
Refer from Elocution; Language; Orthoepy (s); Phonetics; Words
——**English**
Refer from English language; English language — Pronunciation (s); Pronunciation
Prony brake *see* Dynamometer
Proof *see* Evidence; Logic
Proof reading
Refer from Printing
Propagation of plants *see* Plant propagation

Propellers
See also Aerial propellers; Steamboats

Refer from Marine engineering; Screw propellers (s); Shipbuilding; Ships; Steamboats

Proper names *see* Names, Geographical; Names, Personal

Property
See also Administrators and executors; Appraising; Attachment; Capital; Church property; Communism; Confiscation; Conveyancing; Copyright; Damages; Eminent domain; Entail; Estates, Unclaimed; Income; Inheritance; Insurance; Land; Land titles; Liens; Mortgages; Personal property; Possession (law); Real estate; Rent; Sale; Salic law; Socialism; Taxation; Trespass; Wealth; Wills

Refer from Chattels (s); Commercial law; Economics; Government; Law; Ownership (s); Personal property; Real estate; Sociology; Wealth

——Intellectual, *see* Copyright; Inventions; Patents

Prophecies
See also Apocalyptic literature; Bible — Prophecies; Divination; Forecasts; Fortune telling; Jesus Christ; Oracles; Prophets; Second advent

Refer from Divination; Forecasts; Future (s); Predictions (s); Prophets; Theology

Prophets
See also Bible — Prophecies; Prophecies

Refer from Bible; Bible — Prophecies; Bible — Old Testament — Biography; Biography; Jews; Prophecies

Proportion (art)
See also Anatomy, Artistic; Composition (art); Perspective; Symmetry

Refer from Anatomy, Artistic; Architecture; Art; Composition (art); Drawing; Esthetics; Figure drawing; Painting; Perspective; Sculpture; Symmetry

Proportional representation
See also Representative government and representation

Refer from Constitutional law; Elections; Government; Minority representation (s); Representation (s); Representative government and representation

Proportional taxation *see* Taxation, Progressive

Proprietary medicines *see* Medicines, Proprietary

Prose
See also Literature; Rhetoric; and the references under these subjects

Refer from Literature; Rhetoric

Prosody
See also Accent; Meter; Poetry; Prosody, English; Rhyme; Rhythm; Versification; *also* names of languages other than English, e.g. German language — Prosody

Refer from Accent; Grammar; Language; Meter; Poetry; Rhyme; Versification

——**English**

Refer from English language; English language — Prosody (s); English poetry; Prosody

Prospecting
See also Assaying; Mines and mineral resources

Refer from Gold mines and mining; Mines and mineral resources

Prosperity
See also Business depression; Panics

Refer from Business; Commerce; Economics; Wealth

Prostitution
See also Illegitimacy; Sexual ethics; Vice

Refer from Crime and criminals; Law; Sexual ethics; Social evil (s); Social problems; Vice; White slave trade (s); Women; Women — Crime

Protection *see* Tariff question

Protection from fire *see* Fire protection

Protection from frost *see* Frost protection

Protection of birds *see* Birds — Protection

Protection of game *see* Game protection
Protective mimicry *see* Mimicry (biology)
Proteids *see* Proteins
Proteins
See also Chemistry, Organic; Physiological chemistry
Refer from Chemistry, Organic; Food; Physiological chemistry; Proteids (s)

Protestant churches *see* Protestantism
Protestant Episcopal church in the U. S. [subdivided like Church of England]
See also Anglican communion; Apostolic succession; Christian year; Church of England; Confirmation; Episcopacy; Fasts and feasts; Ritualism; Sacraments; Sisterhoods
Refer from Anglican communion; Church of England; Episcopacy; Episcopal church (s); Sects

——**Conventions**
Protestant reformation *see* Reformation
Protestantism
See also Catholic church; Reformation; Sects
Refer from Catholic church; Christianity; Church history; Protestant churches (s); Reformation; Theology

Protoplasm
See also Biology; Cells; Embryology
Refer from Biology; Bioplasm (s); Cells; Embryology; Physiology

Protozoa
See also Infusoria; Invertebrates
Refer from Animalcules; Cells; Infusoria; Invertebrates; Marine zoology

Provençal language
See also Romance languages
Refer from French language; Langue d'oc (s); Romance languages

Provençal literature
See also French literature; Troubadours
Refer from French literature; Troubadours

Proverbs
See also Bible — Old Testament — Proverbs; Epigrams; Folklore; Maxims; Quotations; Weather lore
Refer from Adages (s); Aphorisms (s); Apothegms (s); Epigrams; Folklore; Literature; Maxims; Quotations; Sayings (s)

Providence
Refer from God; Theology

Provident loan associations *see* Building and loan associations
Prudence
See also Thrift
Refer from Conduct of life; Thrift

Pruning
See also Fruit culture
Refer from Forests and forestry; Fruit culture; Gardening; Trees

Psalmody *see* Bible — Old Testament — Psalms; Church music; Hymns
Psalter *see* Bible — Old Testament — Psalms
Pseudonyms
See also Anonyms; Nicknames
Refer from Anonyms; Authors; Bibliography; Fictitious names (s); Names, Personal; Nicknames; Noms de plume (s); Sobriquets (s); Soubriquets (s)

Psychiatry *see* Mental diseases
Psychical research
See also Animal magnetism; Apparitions; Clairvoyance; Ghosts; Hypnotism; Hysteria; Illusions and hallucinations; Mind reading; Occult sciences; Personality; Presentiments; Psychometry (character reading, etc.); Spiritualism; Subconsciousness; Suggestion; Thought transference
Refer from Apparitions; Clairvoyance; Ghosts; Hypnotism; Illusions and hallucinations; Mind reading; Occult sciences; Personality; Psychology; Research; Spiritualism; Supernatural; Thought transference

Psychology
See also Ability; Animal intelligence; Apparitions; Apperception; Association of ideas; Attention; Automatism; Belief; Brain; Character; Child study; Color sense; Common sense; Consciousness; Crowds;
Refer from Apperception; Association of ideas; Attention; Brain; Consciousness; Dreams; Education; Emotions; Habit; Human faculties (s); Imagination; Intellect; Intuition; Judgment; Knowledge; Man; Memory;

Psychology—Continued

Dreams; Eccentricity; Ecstasy; Education; Emotions; Esthetics; Ethics; Ethnopsychology; Experience; Freedom of the will; Genius; Graphology; Habit; Heredity; Hypnotism; Hysteria; Illusions and hallucinations; Imagination; Imitation; Individuality; Insanity; Instinct; Intellect; Intuition; Judgment; Knowledge; Logic; Melancholy; Memory; Mental diseases; Mental healing; Mental hygiene; Metaphysics; Mind and body; Mind reading; Muscular sense; New thought; Observation; Perception; Personality; Philosophy; Phrenology; Physiognomy; Play; Pleasure; Precocity; Presentiments; Psychical research; Reaction time; Reason; Senses and sensation; Sleep; Social psychology; Somnambulism; Soul; Subconsciousness; Suggestion; Temperament; Thought and thinking; Thought transference; Will; Worry

Mental philosophy (s); Mental science (s); Metaphysics; Mind (s); Mind and body; Perception; Personality; Philosophy; Reason; Science; Senses and sensation; Soul; Thought and thinking; Understanding (s); Will

——Biblical, *see* Bible — Psychology

——**Comparative**

See also Animal intelligence; Color sense; Ethnopsychology; Instinct; Play; Social psychology

Refer from Animal intelligence; Animal psychology (s); Comparative psychology (s); Instinct; Intellect; Intelligence of animals (s); Zoology

——**Educational**

See also Apperception; Attention; Child study; Imagination; Imitation; Interest (psychology); Memory; Mental discipline; Observation; Perception; Thought and thinking

Refer from Apperception; Attention; Child study; Education; Educational psychology (s); Mental discipline; Teaching

——Ethnic, *see* Ethnopsychology

——Experimental, *see* Psychology, Physiological

——Pathological, *see* Mental diseases

——**Physiological**

See also Brain; Fatigue, Mental; Inhibition; Left- and right-handedness; Mental diseases; Mind and body; Muscular sense; Nervous system; Pain; Phrenology; Psychometry; Reaction time; Senses and sensation; Space perception

Refer from Experimental psychology (s); Mental physiology (s); Mind and body; Muscular sense; Nervous system; Physiological psychology (s); Physiology; Psychology, Experimental (s); Reaction time; Senses and sensation

——Racial, *see* Ethnopsychology

——Social, *see* Social psychology

Psychometry

See also Reaction time

Refer from Anthropometry; Brain; Psychology, Physiological; Reaction time

Psychometry (character reading, etc.)

Refer from Character reading (s); Clairvoyance; Psychical research

Psychopathic hospitals *see* Insane hospitals

Psychosis *see* Mental diseases

Psychotherapy *see* Mental healing; Suggestive therapeutics

Psychrometer *see* Hygrometry

Ptomaines

See also Putrefaction; Toxins

Refer from Alkaloids; Pathology; Poison (s); Poisons; Putrefaction; Toxins

Puberty

See also Youth

Refer from Physiology; Sex; Youth

Public baths *see* Baths, Public

Public buildings

See also Library architecture; Municipal centers; Public works; Schoolhouses; *also* names of countries and cities, subhead Public buildings

Refer from Architecture; Buildings, Public (s); Government buildings (s); Municipal art; Municipal buildings (s); Municipal centers; Public works

Public comfort stations
Refer from Hygiene, Public; Municipal improvement; Sanitary engineering

Public debts *see* Debts, Public
Public documents *see* Government publications
Public health *see* Hygiene, Public
Public health boards *see* Health boards
Public institutions *see* Charities; Prisons; Public schools

Public lands
See also National parks and reserves; *also* names of countries and cities, subhead Public lands
Refer from Crown lands (s); Land

Public libraries *see* Libraries, Public

Public meetings
See also Assembly, Right of; *also* names of countries and cities, subhead Conventions and public meetings
Refer from Assembly, Right of; Meetings, Public (s)

Public opinion
Refer from Liberty of conscience; Liberty of the press; Opinion (s); People; Social psychology

Public ownership *see* Government ownership; Municipal ownership
Public playgrounds *see* Playgrounds
Public records *see* Archives

Public schools
See also Bible in the schools; Country schools; Education; Education and state; Evening and continuation schools; Grammar schools; High schools; Libraries and schools; Open-air schools; Public schools and religion; School children; Schools; Schools — Centralization; Teachers; Teaching; Truancy; Truant schools; Vacation schools; Vocational education; *also* headings beginning School
Refer from Common schools (s); Education; Education and state; Free schools (s); Public institutions (s); Schools

——U. S.
See also Education — U. S.
Refer from Education — U. S.; U. S.— Public schools (s); U. S.— Schools (s)

Public schools and religion
See also Bible in the schools
Refer from Bible in the schools; Church and education; Education; Public schools; Religion in the public schools (s); Religious education

Public service commissions
See also Government regulation of industry; Railroad commissions
Refer from Government regulation of industry; Public service corporations

Public service corporations
See also Carriers; Eminent domain; Express companies; Gas companies; Government ownership; Government regulation of industry; Municipal franchises; Municipal ownership; Public service commissions; Railroads; Street railroads; Telegraph; Telephone
Refer from Corporations; Eminent domain; Government ownership; Government regulation of industry; Municipal franchises; Municipal ownership; Public utilities (s)

Public speaking *see* Oratory
Public spirit *see* Citizenship; Patriotism
Public utilities *see* Public service corporations

Public works
See also Municipal engineering; Public buildings; *also* names of countries and cities, subhead Public works
Refer from Civil engineering; Municipal engineering; Public buildings

Public worship *see* Church attendance; Church services

Publicity
See also Advertising; Campaign funds
Refer from Advertising; Corporations; Journalism; Newspapers

Publishers and publishing
See also Book reviews; Books; Booksellers and bookselling; Catalogs, Publishers'; Copyright; Printing
Publishers' catalogs *see* Catalogs, Publishers'
Publishing *see* Publishers and publishing
Pueblo Indians
See also Pueblos
Pueblos [the buildings and villages]
See also Cliff dwellers and cliff dwellings; Pueblo Indians
Pugilism *see* Boxing
Pulleys
See also Belting; Power transmission; Rope driving; Shafting

Pulp wood *see* Wood pulp
Pulpit oratory *see* Preaching
Pulpits
See also Church furniture
Pulpwood *see* Wood pulp
Pumping stations
See also Pumps; Water supply
Pumps
See also Air pumps; Pumping stations

Punch and Judy *see* Puppet plays
Punching machinery
See also Dies

Punctuation
Punic wars
See also Carthage; Rome — History — Republic
Punishment
See also Capital punishment; Corporal punishment; Crime and criminals; Criminal law; Crucifixion; Exile; Flogging; Future punishment; Galleys; Indeterminate sentence; Parole; Penal colonies; Pillory; Prisons; Probation system; Reformatories; Torture; Workhouses
Punning
See also Humor
Puppet plays
See also Shadow pantomimes

Pure food laws *see* Food adulteration and inspection; Food laws
Purgatives
Purgatory
See also Future life; Future punishment; Indulgences

Purification of water *see* Water — Purification
Puritanism *see* Puritans
Puritans
See also Blue laws; Church of England; Congregationalism; Dissenters; Friends, Society of; Marprelate controversy; Massachusetts — History; Nonjurors; Pilgrim fathers; Presbyterianism; Thanksgiving day

Refer from Book trade (s); Books; Booksellers and bookselling; Copyright; Literature; Printing; Publishing (s)

Refer from Indians; Pueblos

Refer from Arizona; Indians; Indians—Antiquities; New Mexico; Pueblo Indians

Refer from Belting; Machinery; Mechanical movements; Mechanics; Power transmission; Rope driving; Shafting

Refer from Church furniture

Refer from Hydraulic engineering; Pumps; Water supply
Refer from Engines; Hydraulic engineering; Hydraulic machinery; Machinery; Pumping stations; Steam pumps (s); Water supply

Refer from Dies; Machine tools; Metal work; Sheet-metal work
Refer from Language; Rhetoric; Writing

Refer from Carthage; Rome — History — Republic

Refer from Crime and criminals; Criminal law; Government; Law; Manners and customs; Penology (s); Prisons; Retribution (s); Sociology; Torture

Refer from Humor

Refer from Amusements; Drama; Marionettes (s); Pantomime; Punch and Judy (s); Theater

Refer from Therapeutics

Refer from Catholic church; Church discipline; Death; Eschatology; Future life; Future punishment; Indulgences; Intermediate state (s); Probation (theology) (s); Retribution (s); Theology

Refer from Calvinism; Christian biography; Church of England; Congregationalism; Dissenters; Massachusetts — History; Pilgrim fathers; Puritanism (s)

Purity *see* Chastity
Pus *see* Suppuration
Puseyism *see* Oxford movement; Pusey, E. B.
Putrefaction
See also Antiseptics; Bacteriology; Contagion and contagious diseases; Disinfection and disinfectants; Fermentation; Ptomaines

Refer from Antiseptics; Bacteriology; Contagion and contagious diseases; Disinfection and disinfectants; Fermentation; Ptomaines

Puzzles
See also Acrostics; Anagrams; Charades; Riddles

Refer from Acrostics; Amusements; Charades; Riddles

Pygmies *see* Dwarfs
Pyramids
See also Egypt — Antiquities

Refer from Archaeology; Architecture; Architecture, Ancient; Egypt — Antiquities; Monuments

Pyrography
See also Arts and crafts

Refer from Arts and crafts; Burnt leather (s); Burnt wood work (s); Etching; Fire etching (s) Poker work (s); Wood burning (s); Woodwork

Pyrometers and pyrometry
Refer from Heat; Thermometer

Pyrotechnics *see* Fireworks
Quacks and quackery
See also Imposture; Medicines, Proprietary; Swindlers and swindling

Refer from Charlatanry (s); Imposture; Medical delusions; Medicine; Swindlers and swindling

Quadrature of the circle *see* Circle-squaring
Quadrupeds
See also Animals; Domestic animals; Mammals; Zoology

Refer from Mammals; Zoology

Quakers *see* Friends, Society of
Qualitative analysis *see* Chemistry—Analysis
Quantitative analysis *see* Chemistry — Analysis
Quarantine
See also Hygiene, Public

Refer from Contagion and contagious diseases; Epidemics; Hygiene, Public; Naval hygiene

Quarries and quarrying
See also Blasting; Building stones; Mines and mineral resources; Stone

Refer from Blasting; Building stones; Geology, Economic; Mines and mineral resources; Stone; Stone quarries (s)

Quartets, Vocal, *see* Choruses and part songs
Quaternary period *see* Geology, Stratigraphic — Quaternary; Paleontology — Quaternary
Quaternions
See also Algebra; Vector analysis

Refer from Algebra; Geometry; Mathematics; Vector analysis

Queen Anne's war, 1702–1713
See also Indians — Wars; U. S.— History — Colonial period

Refer from England — History — Stuarts; French in America; Indians — Wars; New England — History — Colonial period; New York (state) — History; Spanish succession, War of; U. S.— History — Colonial period

Queens and empresses
See also Courts and courtiers; Monarchy

Refer from Biography; Courts and courtiers; Empresses (s); Kings and rulers; Monarchy; Rulers (s); Royalty (s); Sovereigns (s); Women

Quicksilver *see* Mercury
Quietism
See also Mysticism

Refer from Mysticism; Theology

Quincy system
See also Object teaching

Refer from Object teaching; Teaching

Quotations
See also Clippings; Daily readings; Epigrams; Maxims; Mottoes; Proverbs

Refer from Aphorisms (s); Apothegms (s); Epigrams; Literature; Maxims; Mottoes; Poetry; Proverbs; Reference books; Sayings (s)

Quran *see* Koran

Rabbits
See also Belgian hares; Hares; Rodents

Refer from Agricultural pests; Hares; Rodents

Rabies *see* Hydrophobia

Race characteristics *see* Anthropology; Ethnology; National characteristics

Race horses *see* Horse; Horse racing

Race improvement *see* Eugenics

Race problems
See also Immigration and emigration; International relations; Jews; Negroes; Yellow races

Refer from Ethnology; Government; History; International relations; Man; Native races (s); Social problems; Sociology; Yellow peril (s)

——U. S.
See also Chinese in the U. S.; Immigration and emigration — U. S.; Indians; Japanese in the U. S.; Negroes; U. S.— Foreign population

Refer from Ethnology — U. S.; Immigration and emigration — U. S.; Negroes; U. S. — Foreign population; U. S.— Race problems (s)

Race psychology *see* Ethnopsychology

Races of man *see* Ethnology

Racing *see* Automobile racing; Horse racing; Rowing; Running; Yachts and yachting

Rackets (game)

Refer from Games; Racquets (s); Tennis

Racquets *see* Rackets (game)

Radiation
See also Cathode rays; Heat; Light; N rays; Radioactivity; Sound; Spectra; X rays

Refer from Heat; Light; Physics; Sound

Radioactive substances *see* Radioactivity

Radioactivity
See also Cathode rays; Electrons; Helium; Ionization of gases; Phosphorescence; Radiography; Radiotherapy; Radium; X rays

Refer from Becquerel rays (s); Chemistry; Chemistry, Physical; Electric discharges through gases; Electricity; Electrons; Helium; Ionization of gases; Light; Matter; Physics; Radiation; Radioactive substances (s); Radium; Rare earths; Science; Spectra

Radiography
See also X rays

Refer from Dislocations; Fractures; Photography; Radioactivity; Sciagraphs (s); Skiagraphs (s); X-ray photography (s); X rays

Radiotelegraphy *see* Wireless telegraphy

Radiotherapy
See also Radium; X rays

Refer from Actinotherapy (s); Electrotherapeutics; Phototherapy; Radioactivity; Radium; Therapeutics; X rays

Radium
See also Radioactivity; Radiotherapy

Refer from Chemical elements; Precious metals; Radioactivity; Radiotherapy

Ragged schools

Refer from Charities; Charity schools; Education; Schools

Railings
See also Fences

Refer from Architecture; Balustrades (s); Carpentry; Fences; Hand-railings (s); Hand-railings (s); Iron work; Stair building

Railroad accidents *see* Railroads — Accidents

Railroad bridges *see* Bridges

Railroad commissions

Refer from Government regulation of industry; Public service commissions; Railroads; Railroads — Law

Railroad construction *see* Railroads — Construction

Railroad crossings *see* Railroads — Crossings

Railroad employees *see* Railroads — Employees

Railroad engineering
See also Railroads — Construction; Railroads — Maintenance and repair; Railroads — Management; Surveying

Refer from Civil engineering; Engineering; Railroads; Railroads — Construction; Surveying

Railroad labor *see* Railroads — Employees
Railroad law *see* Railroads — Law
Railroad passes *see* Passes (free transportation)
Railroad rates *see* Railroads — Rates
Railroad shops *see* Railroads — Shops
Railroad signals *see* Railroads — Signals
Railroad spikes *see* Nails and spikes
Railroad stations *see* Railroads — Stations

Railroad stories
Refer from Fiction; Railroads

Railroad switches *see* Railroads — Switches
Railroad terminals *see* Railroads — Stations
Railroad ties *see* Railroads — Ties
Railroad tracks *see* Railroads — Track

Railroads
See also Aerial railroads; Air brakes; Brakes; Bridges; Cable railroads; Carriers; Cars; Commerce; Earthwork; Electric railroads; Elevated railroads; Eminent domain; Express companies; Freight; Locomotives; Mountain railroads; Passes (free transportation); Railroad commissions; Railroad engineering; Railroad stories; Railway mail service; Rapid transit; Safety devices; Ship railroads; Speed; Steam engines; Street railroads; Subways; Surveying; Suspended railways; Train despatching; Transportation; Trestles; Tunnels
Refer from Carriers; Commerce; Communication; Locomotives; Public service corporations; Railways (s); Rapid transit; Roads; Steam engines; Transportation

——**Accidents**
See also Railroads — Crossings; Railroads — Signals; Safety devices
Refer from Accidents; Collisions (railroad) (s); Disasters; Occupations, Dangerous; Railroad accidents (s); Railroads — Collisions (s)

——Aerial, *see* Aerial railroads
——Baggage, *see* Baggage
——**Buildings**
See also Railroads — Shops; Railroads — Stations
Refer from Architecture; Railroads — Construction; Railroads — Stations

——Cable, *see* Cable railroads
——Cars, *see* Cars; Railroads — Rolling stock
——Collisions, *see* Railroads — Accidents
——**Construction**
See also Bridges; Civil engineering; Culverts; Curves in engineering; Earthwork; Railroad engineering; Railroads — Buildings; Railroads — Crossings; Railroads — Maintenance and repair; Railroads — Ties; Railroads — Track; Rails; Trestles; Tunnels
Refer from Civil engineering; Engineering; Railroad construction (s); Railroad engineering; Railroads — Maintenance and repair; Railroads — Ties; Railroads — Track

——**Crossings**
See also Railroads — Track
Refer from Crossings, Railroad (s); Grade crossings (s); Municipal improvement; Railroad crossings (s); Railroads — Accidents; Railroads — Construction; Railroads — Track; Roads

——Depots, *see* Railroads — Stations
——Electric, *see* Electric railroads
——**Electrification**
See also Electric locomotives; Electric railroads
Refer from Electric locomotives; Electric railroads; Electrification of railroads (s); Railroads — Equipment and supplies

——Elevated, *see* Elevated railroads
——**Employees**
See also Railroads — Pensions
Refer from Labor and laboring classes; Railroad employees (s); Railroad labor (s); Railroads — Labor (s); Railroads — Management

Railroads — Continued

——**Equipment and supplies**
See also Air brakes; Brakes; Car couplings; Car heating, lighting and ventilation; Cars; Locomotives; Railroads — Electrification; Railroads — Maintenance and repair; Railroads — Management; Railroads — Rolling stock; Railroads — Shops; Railroads — Signals; Safety devices

Refer from Railroads — Maintenance and repair; Railroads — Management; Railroads — Rolling stock

——**Finance**
See also Railroads — Rates; Railroads — Taxation

Refer from Capitalization (finance) (s); Investments; Railroads — Management

——Freight, *see* Freight

——Government ownership, *see* Government ownership; Railroads and state

——**History**

——Labor, *see* Railroads — Employees

——**Law**
See also Interstate commerce; Railroad commissions; Railroads — Rates; Railroads and state

Refer from Corporation law; Railroad law (s)

——**Maintenance and repair**
See also Railroads — Construction; Railroads — Equipment and supplies; Railroads — Management; Railroads — Rolling stock; Railroads — Ties; Railroads — Track; Rails

Refer from Railroad engineering; Railroads — Construction; Railroads — Equipment and supplies; Railroads — Management; Railroads — Rolling stock; Railroads — Track

——**Management**
See also Railroads — Employees; Railroads — Equipment and supplies; Railroads — Finance; Railroads — Maintenance and repair; Railroads — Signals; Scientific management; Train despatching

Refer from Railroad engineering; Railroads — Equipment and supplies; Railroads — Maintenance and repair; Railroads — Operation (s); Scientific management

——**Military**

Refer from Military art and science; Military engineering; Military railroads (s)

——Monorail, *see* Railroads — Single rail

——Operation, *see* Railroads — Management

——Passes, *see* Passes (free transportation)

——**Pensions**

Refer from Pensions; Railroads — Employees

——Rails, *see* Rails

——**Rates**
See also Interstate commerce; Passes (free transportation)

Refer from Freight; Freight rates (s); Government regulation of industry; Interstate commerce; Prices; Railroad rates (s); Railroads — Finance; Railroads — Law; Railroads and state; Rates, Railroad (s); Rebates (railroads) (s)

——Repair shops, *see* Railroads — Shops

——**Rolling stock**
See also Cars; Locomotives; Railroads — Equipment and supplies; Railroads — Maintenance and repair; Sleeping cars

Refer from Cars; Railroads — Cars (s); Railroads — Equipment and supplies; Railroads — Maintenance and repair; Rolling stock (s)

——Safety devices, *see* Safety devices

——**Shops**

Refer from Car shops (s); Railroad shops (s); Railroads — Buildings; Railroads — Equipment and supplies; Railroads — Repair shops (s); Repair shops, Railroad (s); Shops (s)

——**Signals**

Refer from Block signal system (s); Railroad signals (s); Railroads — Accidents; Railroads — Equipment and supplies; Railroads — Management; Safety devices; Signals

——**Single rail**
See also Gyroscope; Suspended railways

Refer from Electric railroads; Gyroscope; Monorailways (s); Railroads, Monorail (s); Single rail (s)

Railroads — Continued
——**Stations**
See also Railroads — Buildings

Refer from Architecture; Depots (s); Railroad stations (s); Railroad terminals (s); Railroads — Buildings; Railroads — Depots (s); Railroads — Terminals (s); Stations, Railroad (s)

——Suspended, *see* Suspended railways
——**Switches**
See also Railroads — Track

Refer from Railroad switches (s); Railroads — Track; Switches, Railroad (s)

——**Taxation**
Refer from Railroads — Finance; Taxation

——Terminals, *see* Railroads — Stations
——**Ties**
See also Railroads — Construction; Railroads — Track; Wood — Preservation

Refer from Cross-ties (s); Railroad ties (s); Railroads — Construction; Railroads — Maintenance and repair; Railroads — Track; Steel ties (s); Ties, Railroad (s)

——**Track**
See also Railroads — Construction; Railroads — Crossings; Railroads — Maintenance and repair; Railroads — Switches; Railroads — Ties; Rails

Refer from Railroad tracks (s); Railroads — Construction; Railroads — Crossings; Railroads — Maintenance and repair; Railroads — Switches; Railroads — Ties; Rails; Track, Railroad (s)

——Underground, *see* Subways
——**U. S.**

Refer from Interstate commerce; U. S.— Commerce; U. S.— Railroads (s)

Railroads and state
See also Government ownership; Government regulation of industry; Interstate commerce; Railroads — Rates

Refer from Government; Government ownership; Government regulation of industry; Interstate commerce; Railroads — Government ownership (s); Railroads — Law

Rails
See also Railroads — Track

Refer from Railroads — Construction; Railroads — Maintenance and repair; Railroads — Rails (s); Railroads — Track; Steel; Steel rails (s)

Railway mail service
See also Postal service

Refer from Postal service; Railroads

Railways *see* Railroads
Rain
See also Droughts; Meteorology

Refer from Climate; Droughts; Meteorology; Storms; Water

Rainbow

Refer from Light; Meteorology

Ramie
See also Fibers

Refer from Fibers; Hemp

Rams, Hydraulic, *see* Hydraulic rams
Ranch life
See also Cowboys; Western states

Refer from Cowboys; Farm life; Frontier and pioneer life; Western states

Range management *see* Farm management
Rapid transit
See also Electric railroads; Elevated railroads; Railroads; Street railroads; Subways

Refer from Electric railroads; Elevated railroads; Railroads; Street railroads; Subways; Transit (s); Transportation

Rappists *see* Harmonists
Rare books *see* Book rarities
Rare earths
See also Chemistry, Inorganic; Mineralogy; Radioactivity

Refer from Chemistry, Inorganic; Earths, Rare (s); Mineralogy; Precious minerals (s)

Rasps *see* Files and rasps
Rat *see* Rats
Rates, Railroad, *see* Railroads — Rates
Rationalism
See also Deism; Enlightenment; Free thought; Reason; Transcendentalism

Refer from Agnosticism; Belief; Deism; Free thought; Materialism; Philosophy; Philosophy, Modern; Reason (in religion) (s); Religion; Skepticism; Theology

Rats
See also Rats as carriers of contagion; Rodents

Refer from Household pests; Rat (s); Rodents

Rats as carriers of contagion

Refer from Contagion and contagious diseases; Rats

Raw materials *see* Commercial products
Reaction, Chemical, *see* Chemical reaction
Reaction time
See also Psychology, Physiological; Psychometry

Refer from Consciousness; Psychology; Psychology, Physiological; Psychometry; Senses and sensation; Time, Reaction (s)

Readers [for English school readers]
See also Primers; Recitations and readings; *also* names of languages, e.g. German language — Readers

Refer from English language—Readers (s); Literature; Primers; Reading; Recitations and readings; Textbooks

Reading
See also Books and reading; Elocution; Readers

Refer from Elocution

Readings *see* Recitations and readings
Ready-reckoners
See also Mathematics — Tables, etc.

Refer from Arithmetic; Arithmetic, Commercial; Calculation — Aids (s); Calculators (s); Mathematics

Reagents
See also Chemical reaction

Refer from Chemical reaction; Chemical reagents (s); Chemistry

Real estate
See also Church property; Conveyancing; Deeds; Easements; Eminent domain; Entail; Estates, Unclaimed; Farm values; Farms; Land; Land tenure; Land titles; Landlord and tenant; Liens; Mortgages; Possession (in law); Property; Real estate business; Rent; Riparian rights; Sale; Single tax; Taxation; Torrens system; Unearned increment

Refer from Betterments (s); Commercial law; Conveyancing; Deeds; Easements; Investments; Land; Land tenure; Land titles; Law; Mortgages; Property; Real property (s); Realty (s)

Real estate business

Refer from Business; Investments; Real estate

Real presence *see* Lord's supper; Transubstantiation
Real property *see* Real estate
Realism
See also Idealism; Naturalism; Realism in art; Realism in literature; Scholasticism

Refer from Idealism; Naturalism; Philosophy; Realism in philosophy (s); Scholasticism

Realism in art
See also Idealism in art; Naturalism in art

Refer from Art; Esthetics; Idealism in art; Naturalism in art; Painting; Realism

Realism in literature
See also Idealism in literature; Naturalism in literature

Refer from Esthetics; Fiction; Idealism in literature; Literature; Naturalism in literature; Realism

Realism in philosophy *see* Realism
Reality
See also Being; Metaphysics

Refer from Being; Knowledge; Metaphysics; Philosophy

Realty *see* Real estate
Reapers *see* Harvesting machinery
Reaping machines *see* Harvesting machinery
Reason
See also Animal intelligence; Instinct; Judgment; Logic; Philosophy; Psychology; Thought and thinking

Refer from Intellect; Judgment; Logic; Philosophy; Psychology; Rationalism; Thought and thinking

Reason (in religion) *see* Rationalism
Reasoning *see* Logic
Rebates (railroads) *see* Railroads — Rates

Rebates of duties *see* Drawbacks

Rebellion
See also Revolutions; *also* names of countries in which rebellions have taken place, e.g. U. S.— History — Civil war
Refer from Government; Revolutions

Recall
See also Referendum
Refer from Elections; Government; Impeachment; Municipal government; Referendum

Receipts
See also Cookery
Refer from Chemistry; Chemistry, Technical; Home economics; Industrial arts; Manufactures; Recipes (s); Workshop receipts (s)

Receivers
See also Bankruptcy
Refer from Agency; Bankruptcy; Corporations; Law

Recipes *see* Cookery; Receipts

Reciprocity
See also Commercial treaties; Tariff question
Refer from Commerce; Commercial treaties; Fair trade (s); Government; Tariff; Tariff question

Recitations and readings
See also Christmas poetry; Dialogues; English literature — Collections; English poetry — Collections; Literature — Collections; Monologues; Orations; Poetry — Collections; Readers
Refer from Declamation (s); Dialogues; Elocution; English literature — Collections; Entertainments; Literature; Literature —Collections; Monologues; Pieces to speak (s); Poetry — Collections; Readers; Readings (s); Speakers (s)

——Dialect
Refer from Dialect recitations (s); Negro dialect

——Humorous
Refer from Humor; Humorous recitations (s)

Reclamation of land
See also Alkali lands; Drainage; Irrigation; Jetties; Marshes
Refer from Agriculture; Civil engineering; Conservation of resources; Deserts; Drainage; Engineering; Hydraulic engineering; Irrigation; Land; Marshes

Recognition (international law)
Refer from International law; War

Reconstruction
See also Freedmen; Ku-Klux Klan; Southern states; U. S.— History — 1865–1898
Refer from Carpetbag rule (s); Freedmen; Ku-Klux Klan; Southern states; U. S.— History — Civil war; U. S.— History — 1865–1898; U. S.— History — Reconstruction (s), U. S. — Reconstruction (s)

Records, Public, *see* Archives

Records of births, marriages and deaths *see* Vital records

Recreation *see* Amusements; Games; Play; Sports

Recreation centers *see* Social centers

Recruiting and enlistment
See also Bounties, Military; Conscription; Military service
Refer from Armies; Bounties, Military; Conscription; Enlistment (s); Military service

Rectors *see* Clergy

Red cross
See also Battlefield relief
Refer from Battlefield relief; Disasters; Hospitals, Military; International law; Nurses and nursing; Relief work (s); War

Redemption *see* Salvation

Redemptioners
See also Indentured servants
Refer from Germans in Pennsylvania; Immigration and emigration — U. S.; Indentured servants; Slavery; U. S.— History — Colonial period

Reed organ
Refer from Cabinet organ (s); Harmonium (s); Musical instruments; Organ

Reference books
See also Allusions; Classical dictionaries; Dictionaries; Encyclopedias; Quotations; *also* subhead Dictionaries under various subjects

Refer from Bibliography; Books; Books and reading; Libraries

Referendum
See also Recall

Refer from Constitutional law; Democracy; Direct legislation (s); Government; Initiative (s); Legislation; Legislation, Direct (s); Municipal government; Recall; Representative government and representation

Reflecting telescope *see* Telescope

Reflection (light)
See also Light; Optical instruments

Refer from Light; Optical instruments

Reflections *see* Meditations

Reforestation *see* Forest planting

Reform
See also Charities; Reformers; Social problems; *also* Civil service reform, Prisons, and other subjects of reform

Refer from Progress; Social problems; Social reform (s)

Reform schools *see* Reformatories

Reformation
See also Catholic church — History; Church history; Counter-reformation; Hussites; Protestantism; Reformers; Thirty years' war; *also* names of countries and churches

Refer from Catholic church — History; Christianity; Church history; Church history — Reformation (s); Church history — Modern; Counter-reformation; History, Modern; Protestant reformation (s); Protestantism; Reformers

——France
See also France — History — House of Valois; France — Religious history; Huguenots; Waldenses

Refer from France — History — House of Valois; France — Religious history; Huguenots; Waldenses

——Germany
See also Anabaptists; Germany — History — 1517–1740; Germany — Religious history; Lutheran church; Peasants' war

Refer from Germany — History — 1517–1740; Germany — Religious history; Lutheran church; Peasants' war

——Scotland
See also Church of Scotland; Covenanters; Scotland — Religious history

Refer from Church of Scotland; Covenanters; Scotland — Religious history

——Spain
See also Inquisition; Spain — History — 1479–1700; Spain — Religious history

Refer from Inquisition; Spain — History — 1479–1700; Spain — Religious history

Reformatories
See also Juvenile courts; Prisons; Probation system

Refer from Crime and criminals; Education; Industrial schools (s); Juvenile delinquency; Juvenile reformatories (s); Penal institutions (s); Prisons; Punishment; Reform schools (s)

Reformed church in America [Dutch]

Refer from Dutch reformed church (s); Reformed Dutch church in America (s); Sects

Reformed Dutch church in America *see* Reformed church in America

Reformers
See also Reformation

Refer from Biography; Christian biography; Reform; Reformation

Refraction
See also Astronomy, Spherical and practical; Light

Refer from Astronomy, Spherical and practical; Dioptrics (s); Light

Refrigeration and refrigerating machinery
See also Cold storage; Ice; Ice — Manufacture; Liquid air

Refer from Cold storage; Cooling appliances (s); Food preservation and preservatives; Freezing (s); Frost; Ice; Ice — Manufacture; Ice machinery (s); Machinery; Refrigerators (s)

Refrigerators *see* Cold storage; Refrigeration and refrigerating machinery

Refuse and refuse disposal
See also Sewage; Street cleaning; Waste products; Water pollution

Refer from Disposal of refuse (s); Factory waste (s); Garbage (s); Hygiene, Public; Municipal engineering; Municipal improvement; Sanitary chemistry; Sanitary engineering; Sanitation; Street cleaning; Trades waste (s); Waste, Disposal of (s); Waste products

Regalia
See also Church vestments; Costume; Crowns; Insignia

Refer from Costume; Insignia

Regattas *see* Rowing; Sailing; Yachts and yachting

Regency

Refer from Government; Monarchy

Regeneration (biology)
See also Biology; Cells

Refer from Biology; Cells; Growth; Reproduction

Regeneration (theology)
See also Baptism; Conversion; Salvation

Refer from Baptism; Conversion; Salvation; Theology

Regicides
See also Charles I, king of England; England — History — Stuarts; England — History — Civil war and commonwealth

Refer from Biography; Crime and criminals; England — History — Stuarts; England — History — Civil war and commonwealth

Regimental histories. For regiments of regular armies *see* under various countries, e.g. U.S. — Army — 25th infantry; for state volunteer regiments and militia *see* under states, e.g. New York artillery — 9th regiment; for volunteer regiments recruited at large *see* under country, e.g. United States volunteer infantry — 2d regiment; *also* names by which regiments are known, e.g. Rough Riders

Registers
See also Almanacs; Yearbooks [for annual registers]; *also* names of places, religious denominations, etc.

Registers of births, marriages and deaths *see* Vital records

Registration laws *see* Election laws

Reign of terror *see* French revolution

Reincarnation *see* Preëxistence; Transmigration

Reindeer
See also Ungulata

Refer from Deer; Ungulata

Reinforced concrete *see* Concrete, Reinforced

Relationship *see* Consanguinity

Relaxation *see* Amusements; Rest

Relics
See also Miracles; Saints; Shrines

Refer from Christian antiquities; Miracles; Shrines; Superstition

Relief work *see* Battlefield relief; Charities; Disasters; Famines; First aid in illness and injury; Outdoor relief; Red cross

Religion
For the Christian doctrines *see* Theology; for evidences *see* Christianity — Evidences; *See also* Allegories; Atheism; Authority (in religion); Belief; Bible; Christianity; Conscience; Consolation; Deism; Devotional exercises; Ecstasy; Ethics; Evil; Faith; Fanaticism; Fasts and feasts; Free religion; Future life; God; Hymns; Idolatry; Jesus Christ; Miracles; Missions; Monasticism;

Refer from Christianity; Ethics; Faith; God; Man; Natural religion; Philosophy; Revelation; Sociology; Supernatural; Theology

Religion — Continued
Mysteries (religious); Mysticism; Mythology; Natural religion; Oracles; Paganism; Pantheism; Philosophy; Positivism; Prayer; Rationalism; Religion and ethics; Religion and science; Religion of the future; Religions; Religious education; Religious liberty; Religious literature; Religious orders; Religious poetry; Repentance; Revelation; Revivals; Ritualism; Sacraments; Sacrilege; Sacrifice; Saints; Sects; Secularism; Sermons; Sin; Skepticism; Spiritual life; Sunday; Supernatural; Superstition; Symbolism; Theism; Theosophy; Totems and totemism; Worship; *also* headings beginning Christian and Church, and names of countries, subhead Religion or Religious history
——Personal, *see* Christian life and character; Spiritual life
——**Philosophy** — *Refer from* Philosophy of religion (s)
Religion and education *see* Church and education
Religion and ethics — *Refer from* Ethics; Ethics and religion (s); Religion
Religion and evolution *see* Religion and science
Religion and medicine *see* Medicine and religion
Religion and science
See also Bible and science; Creation; Evolution; Modernism; Natural religion — *Refer from* Bible; Bible and science; Christianity — Evidences; Christianity and science (s); Creation; Evolution; Natural religion; Philosophy; Religion; Religion and evolution (s); Science; Science and religion (s); Theology
Religion and sociology *see* Christian sociology; Social ethics
Religion and the public schools *see* Public schools and religion
Religion of humanity *see* Positivism
Religion of the future — *Refer from* Future religion (s); Religion
Religions
See also Babism; Brahmanism; Buddhism; Christianity; Christianity and other religions; Confucianism; Dervishes; Druids; Druses; Hinduism; Idolatry; Indians — Religion; Jews — Religion; Lamaism; Mohammedanism; Mormons and Mormonism; Mythology; Nagualism; Parsees; Polytheism; Rosicrucians; Sacred books; Sects; Shinto; Sikhs; Spiritualism; Taoism; Theosophy; Worship; Zoroastrianism; *also* names of non-Christian countries, subhead Religion — *Refer from* Belief; Civilization; Comparative religion (s); Mythology; Polytheism; Religion; Religious history (s); Superstition
Religious anecdotes *see* Anecdotes, Religious
Religious art *see* Christian art and symbolism; Church architecture; Temples
Religious authority *see* Authority (in religion)
Religious belief *see* Belief; Faith
Religious biography *see* Christian biography
Religious ceremonies *see* Rites and ceremonies
Religious denominations *see* Sects
Religious education
See also Bible — Study and teaching; Bible in the schools; Church and education; Church schools; Moral education; Public — *Refer from* Christian education (s); Christian life and character; Church and education; Education; Education, Religious (s); Moral

schools and religion; Sunday schools; Theology — Study and teaching

Religious experience *see* Christian life and character; Conversion; Spiritual life

Religious festivals *see* Fasts and feasts; Festivals

Religious history *see* Church history; Religions; *also* names of countries and cities, subhead Religious history

Religious liberty
See also Catholic emancipation; Church and state; Free religion; Free thought; Liberty; Liberty of conscience; Persecution

Refer from Catholic church; Church and state; Church history; Free thought; Government; Intolerance (s); Liberty; Liberty of conscience; Persecution; Private judgment; Religion; Toleration (s)

Religious literature
See also Anecdotes, Religious; Catholic literature; Religious poetry

Refer from Literature; Religion

Religious mysteries *see* Mysteries (religious)

Religious orders
See also Brotherhoods; Chivalry; Monasticism; Nuns; Sisterhoods; *also* names of orders, e.g. Franciscans; Jesuits; Malta, Knights of; Templars; Teutonic knights

Refer from Brotherhoods; Catholic church; Catholic church — Orders (s); Church history; Church polity; Convents and nunneries; Monastic orders (s); Monasticism; Nuns; Orders, Religious (s); Religion; Sisterhoods

Religious poetry
See also Hymns

Refer from Hymns; Poetry; Religion; Religious literature; Sacred poetry (s)

Religious services *see* Church services; Devotional exercises; Liturgies; Worship

Remedies (in medicine) *see* Materia medica; Therapeutics

Renaissance
See also Architecture, Renaissance; Art, Renaissance; Fifteenth century; Humanism; Middle ages

Refer from Art, Renaissance; Civilization; Fifteenth century; History, Modern; Humanism; Literature; Middle ages; Renascence (s); Revival of letters (s)

Renaissance architecture *see* Architecture, Renaissance

Renaissance art *see* Art, Renaissance

Renascence *see* Renaissance

Rent
See also Economics; Eviction; Land; Landlord and tenant

Refer from Cost of living; Economics; House rent (s); Land; Land tenure; Landlord and tenant; Law; Property; Real estate

Repair shops, Railroad, *see* Railroads — Shops

Repairing *see* Mending and repairing

Repentance
See also Confession; Conversion; Penance

Refer from Conversion; Penance; Penitence (s); Religion; Sin; Theology

Reporting
See also Journalism; Shorthand; War correspondence

Refer from Correspondence (s); Interviewing (s); Journalism; Newspaper work (s); Newspapers

Repoussé work
See also Arts and crafts; Metal work

Refer from Arts and crafts; Metal work

Representation *see* Proportional representation; Representative government and representation

Representative government and representation
See also Boroughs; Cabinet system; Constitutional law; Democracy; Elections; Gerrymander; Legislative bodies; Nominations; Proportional representation; Referendum; Republics; Suffrage

Refer from Boroughs; Constitutional law; Constitutions; Democracy; Elections; Free institutions; Government; Proportional representation; Representation (s); Republics; Self-government (s); Suffrage; Voting (s)

Reproduction *See also* Biology; Embryology; Fecundity; Parthenogenesis; Regeneration (biology); Spontaneous generation	*Refer from* Biology; Embryology; Fecundity; Generation (s); Spontaneous generation; Zoology
Reptiles *See also* Amphibia; Snakes; Vertebrates	*Refer from* Amphibia; Herpetology (s); Snakes; Vertebrates
——Fossil	*Refer from* Fossil reptiles (s); Paleontology
——U. S.	*Refer from* U. S.— Herpetology (s); U. S. — Reptiles (s); Zoology — U. S.
Republican party *See also* Free soil party; U. S.— Politics	*Refer from* Political parties; U. S.— Politics
Republics *See also* Democracy; Federal government; Government; Representative government and representation; *also* names of republics	*Refer from* Constitutional law; Democracy; Federal government; Free institutions; Government; Presidential government (s); Representative government and representation
Repudiation *See also* Debts, Public	*Refer from* Debts, Public; Finance; Loans
Research *See also* Laboratories; Medical research; Psychical research; Scientific research; Seminary method	*Refer from* Colleges and universities; Education; Education and state; Scientific research; Seminary method; Study
Reservations for the Indians *see* Indians — Reservations	
Reservoirs *See also* Dams; Irrigation; Water supply	*Refer from* Dams; Hydraulic engineering; Irrigation; Water supply
Residences *see* Architecture, Domestic	
Resignation	*Refer from* Affliction; Ethics
Resins *see* Gums and resins	
Resistance, Electric, *see* Electric resistance	
Resistance of materials *see* Strength of materials	
Resorts *see* Health resorts; Summer resorts; Winter resorts	
Resources *see* Natural resources; Conservation of resources; *also* names of countries, subhead Industries and resources	
Respiration *see* Breathing	
Respiratory organs *See also* Anatomy; Breathing; Lungs; Nose; Physiology; Throat	*Refer from* Air passages (s); Anatomy; Breathing; Chest; Lungs; Nose; Physiology
——Diseases *See also* Asthma; Bronchitis; Catarrh; Cold (disease); Cough; Croup; Hay fever; Influenza; Pneumonia; Tuberculosis	*Refer from* Asthma; Bronchitis; Catarrh; Cold (disease); Cough; Croup; Hay fever; Influenza; Medicine — Practice; Pneumonia; Tuberculosis
Responsive worship *See also* Liturgies; Ritualism	*Refer from* Church services; Devotional exercises; Liturgies; Prayer; Worship
Rest *See also* Fatigue; Sleep	*Refer from* Fatigue; Hygiene; Mental hygiene; Nervous system; Overwork; Relaxation (s); Therapeutics
Restaurants *See also* Catering; Hotels; Waiters	*Refer from* Cafés (s); Hotels
Restraint of trade *See also* Combination, Industrial; Interstate commerce; Labor unions; Monopolies; Police power; Trusts	*Refer from* Combination, Industrial; Commerce; Interstate commerce; Labor unions; Law; Monopolies; Police power; Trusts
Resumption of specie payment *see* Money — U. S.; Silver (as money)	
Resurrection *See also* Eschatology; Future life; Jesus Christ — Resurrection and ascension	*Refer from* Death; Eschatology; Future life; Theology

Retaining walls *see* Walls
Retouching *see* Photography
Retribution *see* Future life; Future punishment; Hell; Punishment; Purgatory

Revelation
See also Apocalyptic literature; Bible; Christianity; Inspiration; Religion; Theology

Refer from Apocalyptic literature; Bible; Inspiration; Religion; Theology

Revenue *see* Finance; Tariff; Taxation; *also* names of countries, subhead Revenue
Reviews *see* Book reviews
Revision of the Bible *see* Bible — Revision
Revival of letters *see* Renaissance

Revivals
See also Camp meetings; Conversion; Evangelistic work; Keswick movement; Prayer meetings

Refer from Christian life and character; Church history; Church work; Conversion; Evangelistic work; Missions; Religion; Theology

Revolutionary war (U. S.) *see* U. S.— History —Revolution

Revolutions
See also French revolution; Rebellion; *also* under various countries, e.g. France — History — Revolution of 1848; Germany — History — Revolution, 1848–1849; U. S. — History — Revolution

Refer from Government; History; Rebellion

Revolvers *see* Pistols

Rewards (prizes, etc.)
See also Bounties; Nobel prizes; Prizes (international law)

Refer from Compensation (s); Prizes (s)

Rhaeto-Romanic language *see* Romansch language

Rheostats
See also Electric controllers; Electric resistance

Refer from Electric apparatus and appliances; Electric controllers; Electric resistance; Electric rheostats (s)

Rhetoric
See also Allegory; Alliteration; Analogy; Composition (English); Conversation; Criticism; Descriptive writing; Drama; Editorials; Elocution; Eloquence; Esthetics; Irony; Lectures and lecturing; Letter writing; Metaphor; Onomatopoeia; Oratory; Poetry; Preaching; Précis writing; Prose; Punctuation; Satire; Translation; Versification

Refer from Allegory; Alliteration; Composition (English); Composition (rhetoric) (s); Criticism; Descriptive writing; Elocution; English composition (s); Expression; Figures of speech (s); Language; Lectures and lecturing; Letter writing; Literature; Metaphor; Oratory; Prose; Speaking (s); Style, Literary (s); Theme-writing (s); Words; Writing

Rheto-Romanic language *see* Romansch language

Rheumatism

Refer from Medicine — Practice

Rhodes scholarships, Oxford university

Refer from Oxford university; Scholarships

Rhyme
See also Prosody

Refer from English language — Rhymes (s); Poetry; Prosody; Rime (s); Versification

Rhythm
See also Meter

Refer from Esthetics; Meter; Music; Poetry; Prosody; Versification

Rice

Refer from Agricultural products; Agriculture — Tropics; Grain

Riches *see* Wealth

Riddles
See also Charades; Puzzles

Refer from Amusements; Conundrums (s); Enigmas (s); Literature; Puzzles

Riding *see* Coaches and coaching; Driving; Horsemanship

Rifle practice
See also Target practice

Refer from Gunnery; Infantry drill and tactics; Military art and science; Rifles; Shooting; Target practice

Rifles
See also Firearms; Guns; Rifle practice; Shooting — *Refer from* Arms and armor; Carbines (s); Firearms; Guns; Shooting

Right and wrong *see* Ethics

Right-handedness *see* Left- and right-handedness

Right of assembly *see* Assembly, Right of

Right of petition *see* Petition, Right of

Right of sanctuary *see* Asylum, Right of

Right of search *see* Search, Right of

Righthandedness *see* Left- and right-handedness

Rights, Civil, *see* Civil rights

Rights of women *see* Woman suffrage; Women — Law; Women — Social condition

Rime *see* Rhyme

Ringing *see* Bells; Chimes and chiming

Rings
See also Jewelry — *Refer from* Finger rings (s); Jewelry

Riots
See also Draft riot, 1863; Lynch law; Strikes and lockouts — *Refer from* Crime and criminals; Crowds; Government; History; Mobs (s); Strikes and lockouts

Riparian rights
See also Water rights — *Refer from* Land tenure; Law; Littoral rights (s); Real estate; Rivers; Water rights; Waterways

Rites and ceremonies
See also Baptism; Canonization; Christian antiquities; Church dedication; Confirmation; Coronations; Fasts and feasts; Fire walk; Flute ceremonies; Funeral rites and ceremonies; Hymns; Inaugurations; Indians — Religion; Liturgies; Manners and customs; Marriage; Marriage customs and rites; Mass; Mysteries (religious); Ordination; Prayers; Ritualism; Sacraments; Totems and totemism; Worship — *Refer from* Ceremonies (s); Christian antiquities; Christian art and symbolism; Church ceremonies (s); Church polity; Ecclesiastical ceremonies (s); Liturgies; Manners and customs; Religious ceremonies (s); Ritual (s); Ritualism; Worship

Ritual *see* Liturgies; Rites and ceremonies; Ritualism; *also* names of churches, subhead Liturgy and ritual

Ritualism
See also Catholic church — Liturgy and ritual; Church of England — Liturgy and ritual; Protestant Episcopal church in the U. S.— Liturgy and ritual; Rites and ceremonies; Worship — *Refer from* Catholic church; Catholic church — Liturgy and ritual; Church of England; Church of England — Liturgy and ritual; Church polity; Liturgies; Prayer; Protestant Episcopal church in the U. S.; Religion; Responsive worship; Rites and ceremonies; Ritual (s); Worship

Rivers
See also Dams; Deltas; Embankments; Erosion; Floods; Hydraulic engineering; Hydraulics; Hydrography; Inland navigation; Physical geography; Riparian rights; Valleys; Water pollution; Water power; Waterways — *Refer from* Civil engineering; Engineering; Floods; Hydraulic engineering; Hydraulics; Hydrography; Inland navigation; Physical geography; Streams (s); Valleys; Water; Waterways

——**U. S.**
See also Waterways — U. S. — *Refer from* U. S.— Rivers (s); Waterways — U. S.

Riviera
See also France — Description and travel; Italy — Description and travel; Monaco; Provence — *Refer from* France — Description and travel; Italy — Description and travel; Monaco; Provence; Winter resorts

Road, Rule of the, *see* Rule of the road

Road engines *see* Traction engines

Road maps — *Refer from* Maps; Roads

Roads
See also Civil engineering; Dust; Eminent domain; Indian trails; Pavements; Portages; Railroads; Railroads — Crossings; Road maps; Sidewalks; Street cleaning; Street railroads; Streets

Refer from Civil engineering; Coaches and coaching; Eminent domain; Engineering; Highways (s); Pavements; Streets; Thoroughfares (s); Transportation; Turnpikes (s)

——**Macadamized**

Refer from Macadamized roads (s); Pavements

——**Roman**

Refer from Roads — England; Roads — France; Roads — Italy; Roman roads (s)

——**U. S.**
See also Cumberland road; Indian trails; Oregon trail; Salt Lake trail; Santa Fé trail; Wilderness road

Refer from U. S.— Roads (s)

Robbers *see* Brigands and robbers

Robins
See also Birds

Refer from Birds

Rochdale system *see* Cooperation

Rock *see* Rocks

Rock drills
See also Boring; Mining machinery

Refer from Boring; Diamond drilling (s); Excavating machinery; Mining engineering; Mining machinery

Rock tombs *see* Tombs

Rocks
See also Geochemistry; Geodes; Geology; Granite; Igneous rocks; Limestone; Mineralogy; Sandstone; Slate; Stone

Refer from Chemical geology (s); Geochemistry; Geology; Granite; Igneous rocks; Lithology (s); Metamorphic rocks (s); Mineralogy; Petrography (s); Petrology (s); Rock (s); Sedimentary rocks (s); Stone

Rod, The, *see* Corporal punishment; Flogging

Rodents
See also Hares; Mammals; Mice; Rabbits; Rats

Refer from Hares; Mammals; Mice; Rabbits; Rats

Roentgen rays *see* X rays

Roller-skating

Refer from Skating; Sports

Rolling mills
See also Iron industry; Steel industry

Refer from Iron industry; Mills and millwork; Steel industry

Rolling stock *see* Railroads — Rolling stock

Romaic language *see* Greek language (modern)

Romaic literature *see* Greek literature (modern)

Roman Campagna *see* Campagna di Roma

Roman Catholic church *see* Catholic church

Roman emperors
See also Rome — History — Empire

Refer from Caesars (s); Emperors; Rome — History — Empire

Roman law *see* Civil law

Roman literature *see* Latin literature

Roman mythology *see* Mythology, Classical

Roman roads *see* Roads, Roman

Romance *see* Fiction; Romances

Romance languages
See also Aryan languages; French language; Italian language; Portuguese language; Provençal language; Romansch language; Rumanian language; Spanish language

Refer from Aryan languages; French language; Italian language; Language; Latin language; Neo-Latin languages (s); Portuguese language; Provençal language; Romansch language; Rumanian language; Spanish language

Romance literature
See also French literature; Italian literature; Portuguese literature; Spanish literature

Refer from French literature; Italian literature; Literature; Portuguese literature; Spanish literature

Romances
See also Arthurian romances; Charlemagne — Romances; English metrical romances; Fiction; Legends; Poetry

Refer from Chivalry; Epic poetry; Fiction; Folklore; German literature; German romances (s); Legends; Literature; Romance (s); Stories (s)

Romanism *see* Catholic church

Romansch language
See also Romance languages
Refer from Rhaeto-Romanic language (s); Rheto-Romanic language (s); Romance languages; Romaunsch language (s)

Romanticism
See also Classicism
Refer from Classicism; Esthetics; Idealism in art; Idealism in literature; Literature

Romany language
Refer from Gipsy language (s); Gypsy language (s); Indo-Aryan languages; Rommany language (s)

Romaunsch language *see* Romansch language

Rome — History
———Kings, B. C. 753–510
———Republic, B. C. 510–30
See also Gallic wars; Punic wars
Refer from Gallic wars; Punic wars
———Empire, B. C. 30–A. D. 476
See also Barbarian invasions of Rome; Byzantine empire; Roman emperors
Refer from Barbarian invasions of Rome; Roman emperors

Rommany language *see* Romany language

Rood screens
Refer from Church decoration and ornament; Church furniture

Roofs
See also Arches; Architecture; Building; Ceilings; Domes; Gables; Girders; Graphic statics; Scaffolding; Skylights; Slate; Steel construction; Strains and stresses; Trusses; Vaulting
Refer from Architecture; Building; Carpentry; Domes; Gables; Girders; Graphic statics; Steel construction; Strains and stresses; Trusses

Root crops
See also Vegetables
Refer from Agricultural products; Crops; Feeding and feeding stuffs; Roots; Vegetables

Roots
See also Botany, Structural; Root crops
Refer from Botany — Physiology; Botany, Structural; Plants

Rope
See also Cables; Cordage; Hemp; Knots and splices; Rope driving; Wire
Refer from Cables; Cordage; Hemp; Hoisting machinery; Manufactures

Rope driving
See also Belting; Power transmission; Pulleys
Refer from Belting; Power transmission; Pulleys; Rope

Ropeways *see* Cableways

Rosary
Refer from Beads; Catholic church; Prayers

Rose *see* Roses

Roses
See also Floriculture
Refer from Floriculture; Flowers; Rose (s)

Roses, Wars of the, *see* Wars of the Roses

Rosetta stone
Refer from Egypt — Antiquities; Hieroglyphics

Rosicrucians
See also Mysticism
Refer from Mysticism; Order of the Rosy cross (s); Religions; Rosy cross, Order of the (s); Secret societies

Rosin *see* Gums and resins

Rosy cross, Order of the, *see* Rosicrucians

Rotation
See also Dynamics; Earth — Rotation; Gyroscope; Rotation of crops
Refer from Dynamics; Motion; Physics

Rotation of crops
See also Agriculture; Pastures and meadows
Refer from Agriculture; Crop rotation (s); Crops; Farm management; Rotation; Soil fertility

Rotation of the earth *see* Earth — Rotation

Rough Riders
See also U. S.— History — War with Spain
Refer from U. S.— History — War with Spain; United States volunteer cavalry

Roumanian language *see* Rumanian language

Round Table *see* Arthurian romances

Round towers
See also Ireland — Antiquities
Refer from Archaeology; Ireland — Antiquities; Towers

Rowing
See also Aquatic sports; Boats and boating; Canoes and canoeing; College athletics
Refer from Aquatic sports; Athletics; Boats and boating; College athletics; Locomotion; Navigation; Oarsmanship (s); Racing (s); Regattas (s); Sculling (s); Sports

Royal descent, Families of
Refer from Genealogy; Kings and rulers

Royal supremacy (Church of England) *see* Church of England — Royal supremacy

Royalty *see* Kings and rulers; Monarchy; Princes and princesses; Queens and empresses

Rubber
See also Gutta-percha
Refer from Agricultural products; Agriculture — Tropics; Caoutchouc (s); Chemistry, Technical; Forest products; Gutta-percha; India-rubber (s); Indiarubber (s); Manufactures

Rubber tires *see* Tires

Rugs
See also Carpets; House decoration
Refer from Arts and crafts; Carpets; Domestic arts; Floors; House decoration; Textile industry and fabrics; Weaving

Ruins *see* Archaeology

Rule of the road
Refer from Collisions at sea; Navigation; Road, Rule of the (s)

Rulers *see* Kings and rulers; *also* Emperors; Monarchy; Popes; Presidents; Queens and empresses

Rules of order *see* Parliamentary practice

Rumanian language
See also Romance languages
Refer from Romance languages; Roumanian language (s)

Runes
Refer from Alphabet; Germanic languages; Inscriptions

Running
See also Track athletics; Walking
Refer from Animal locomotion; Athletics; Cross-country running (s); Exercise; Foot-racing (s); Locomotion; Physical education; Racing (s); Sports; Track athletics; Walking

Rural architecture *see* Architecture, Domestic; Bungalows; Cottages; Country houses; Farm buildings; Landscape gardening

Rural economy *see* Agriculture

Rural free delivery
See also Postal service — U. S.
Refer from Postal service; Postal service — U. S.

Rural life *see* Country life; Farm life; Outdoor life

Rural poetry *see* Pastoral poetry

Rural schools *see* Country schools

Russian church *see* Greek church

Russian language
See also Slavic languages
Refer from Slavic languages

Russian literature
See also Slavic literature
Refer from Slavic literature

Russians in the U. S.
See also Slavs in the U. S.
Refer from Slavs in the U. S.; U. S.— Foreign population

Russo-Japanese war, 1904–1905
See also Japan — History; Russia — History
Refer from Eastern question (Far East); Japan — History; Russia — History

Russo-Turkish war, 1853–1856, *see* Crimean war

Russo-Turkish war, 1877–1878
See also Russia — History; Turkey — History

Refer from Eastern question (Near East); Russia — History; Turco-Russian war (s); Turkey — History; Turko-Russian war (s)

Rust *see* Corrosion and anti-corrosives
Rustic woodwork
See also Garden ornaments and furniture

Refer from Carpentry; Garden ornaments and furniture; Landscape gardening

Rustless coatings *see* Corrosion and anti-corrosives
Rye House plot
See also England — History — Stuarts

Refer from England — History — Stuarts

Sabbatarians *see* Seventh-day Baptists
Sabbath *see* Sabbath, Jewish; Sunday
Sabbath, Jewish

Refer from Jews; Jews — Religion; Sabbath (s)

Saber *see* Swords
Sabre *see* Swords
Sacraments
See also Baptism; Confirmation; Lord's supper; Marriage; Ordination; Penance; Unction

Refer from Baptism; Catholic church; Church of England; Church polity; Lord's supper; Protestant Episcopal church in the U. S.; Religion; Rites and ceremonies; Theology; Worship

Sacred art *see* Christian art and symbolism
Sacred books
See also Avesta; Bible; Eddas; Koran; Talmud; Vedas

Refer from Literature; Religions

Sacred history *see* Bible — History; Church history
Sacred music *see* Church music; Oratorios
Sacred poetry *see* Hymns; Religious poetry
Sacrifice
See also Altars; Atonement

Refer from Altars; Human sacrifice (s); Religion; Theology; Worship

Sacrilege

Refer from Desecration (s); Profanation (s); Religion

Saddlery *see* Harness
Safes
See also Vaults

Refer from Vaults

Safety devices
See also Air brakes; Brakes; Car couplings; Employers' liability; Lightning conductors; Railroads — Signals; Safety lamps; Safety valves

Refer from Accidents; Air brakes; Brakes; Employers' liability; Life-saving; Occupations, Dangerous; Railroads; Railroads — Accidents; Railroads — Equipment and supplies; Railroads — Safety devices (s)

Safety lamps
See also Mine accidents; Mine fires

Refer from Explosions; Lamps; Mine accidents; Mine fires; Safety devices

Safety valves
See also Boilers; Steam engines; Valves and valve gears

Refer from Boilers; Safety devices; Steam engines; Valves and valve gears

Sagas
See also Eddas; Folklore; Icelandic literature; Scandinavian literature

Refer from Eddas; Folklore; Icelandic literature; Legends; Literature; Mythology, Norse; Northmen; Scandinavian literature

Sailing
See also Aquatic sports; Boats and boating; Canoes and canoeing; Navigation; Skipjacks; Yachts and yachting

Refer from Aquatic sports; Boats and boating; Locomotion; Navigation; Regattas (s); Ships; Sports; Yachts and yachting

Sailing directions *see* Pilot guides
Sailors
See also Impressment; Missions — Seamen; Naval biography; Pilots and pilotage; Sea stories; Seafaring life

Refer from Naval biography; Navigation; Ocean; Ocean travel; Seafaring life; Seamen (s); Ships; Voyages and travels

Sailors' missions *see* Missions — Seamen

Sailors' songs

Refer from Chanteys (s); Chanties (s); Songs

Sails

Refer from Ships

St. Augustine, Order of, *see* Augustinians

St. Bartholomew's day, Massacre of

See also France — History — House of Valois; Huguenots

Refer from Bartholomew, St., Massacre of (s); France — History — House of Valois; France — Religious history; Huguenots; Massacres

St. John of Jerusalem, Order of, *see* Malta, Knights of

St. Valentine's day *see* Valentine's day

Saints

See also Apostles; Bible — Biography; Canonization; Fathers of the church; Legends; Martyrs; Saints in art; Shrines

Refer from Apostles; Bible; Bible — Biography; Canonization; Catholic church; Catholic church — Biography; Christian biography; Fathers of the church; Heroes; Legends; Martyrs; Miracles; Relics; Religion

Saints in art

See also Christian art and symbolism

Refer from Christian art and symbolism; Iconography (s); Saints

Salads

See also Cookery; Sauces

Refer from Cookery

Salaries

See also Income; Teachers — Salaries, pensions, etc.; Wages

Refer from Compensation (s); Economics; Income; Prices; Wages

Sale

See also Auctions; Commercial law; Conveyancing; Land titles

Refer from Commercial law; Contracts; Land titles; Law; Personal property; Property; Real estate; Selling (s); Vendors (s)

Salesmanship

See also Advertising; Business; Commercial travelers

Refer from Advertising; Business; Commerce; Commercial travelers; Peddlers and peddling; Selling (s)

Salesmen, Traveling, *see* Commercial travelers

Salic law

Refer from France — Law; Inheritance; Law; Property; Women — Law

Salmon

See also Fish; Trout

Refer from Fish; Fishing; Trout

Salons

See also Précieuses

Refer from French salons (s); Précieuses; Society; Women in France

Saloons *see* Liquor problem; Liquor traffic; Temperance

Salt

See also Condiments; Geology, Economic; Sea water

Refer from Condiments; Geology, Economic; Mines and mineral resources

Salt Lake trail

Refer from Indian trails; Roads — U. S.; Trails (s); Western states

Salts

See also Chemistry

Refer from Chemistry

Salutations

Refer from Etiquet; Greetings (s); Manners and customs

Salvage

See also Maritime law; Wrecking

Refer from Admiralty; Collisions at sea; Insurance, Marine; International law; Maritime law; Prizes (international law); Shipping; Shipwrecks; Wrecking

Salvation

See also Atonement; Conversion; Future life; Grace (theology); Infant salvation; Justification; Predestination; Regeneration (theology); Sanctification; Soul; Universalism

Refer from Conversion; Future life; Jesus Christ; Predestination; Redemption (s); Regeneration (theology); Sin; Soteriology (s); Theology

Salvation army

See also Farm colonies

Refer from Charities; Evangelistic work; Sects

Samplers
Refer from Needlework

San José scale
See also Scale insects
Refer from Chinese scale (s); Insects, Injurious and beneficial; Scale insects

Sanatoriums
See also Convalescent homes; Health resorts; Hospitals
Refer from Health resorts; Hospitals; Medicine; Mineral waters; Sanitariums (s)

Sanctification
See also Christian life and character
Refer from Christian life and character; Christian perfection (s); Holiness (s); Perfection, Christian (s); Salvation; Spiritual life; Theology

Sanctuary *see* Asylum, Right of
Sand dunes *see* Dunes

Sandemanians
Refer from Glassites (s); Sects

Sandstone
See also Building stones
Refer from Building stones; Rocks; Stone

Sandwiches
Refer from Cookery; Luncheons

Sangreal *see* Grail
Sanitariums *see* Sanatoriums
Sanitary affairs *see* Hygiene, Public; Sanitation; *also* names of countries and cities, subhead Sanitary affairs

Sanitary chemistry
See also Adulterations; Air pollution; Chemistry, Household; Cleaning; Food — Analysis; Food adulteration and inspection; Refuse and refuse disposal; Sewage; Smoke; Water — Analysis; Water — Purification; Water pollution
Refer from Chemistry; Chemistry, Household; Chemistry, Sanitary (s); Sanitation

Sanitary engineering
See also Filters and filtration; Heating; Hygiene, Public; Municipal engineering; Plumbing; Public comfort stations; Refuse and refuse disposal; Sanitation; Sewage; Sewerage; Street cleaning; Ventilation; Water — Purification; Water supply; *also* names of countries and cities, subhead Sanitary affairs
Refer from Architecture; Building; Civil engineering; Engineering; Engineering, Sanitary (s); Hygiene, Public; Municipal engineering; Municipal improvement; Plumbing; Sanitary science (s); Sanitation; Sewerage

Sanitary science *see* Hygiene; Sanitary engineering; Sanitation

Sanitation
See also Cemeteries; Cleanliness; Disinfection and disinfectants; Hygiene; Hygiene, Public; Military hygiene; Naval hygiene; Refuse and refuse disposal; Sanitary chemistry; Sanitary engineering; Sanitation, Household; School hygiene; Sewage; Sewerage; Smoke; Ventilation; Water — Purification; Water supply; *also* names of countries and cities, subhead Sanitary affairs
Refer from Cleanliness; Hygiene; Hygiene, Public; Sanitary affairs (s); Sanitary engineering; Sanitary science (s)

——Household
See also Chemistry, Household; Heating; House cleaning; Plumbing; Ventilation
Refer from Chemistry, Household; Domestic hygiene (s); Home economics; House drainage (s); House sanitation (s); Household sanitation (s); Housing problem; Hygiene, Domestic (s); Plumbing; Sanitation

Sanscrit *see* Sanskrit

Sanskrit language
See also Indo-Aryan languages
Refer from Indo-Aryan languages

Sanskrit literature
See also Hindu literature; Oriental literature; Vedas
Refer from Hindu literature; Oriental literature

Santa Claus
See also Christmas
Refer from Christmas; Nicholas, St.

Santa Fé trail

Refer from Indian trails; New Mexico; Roads—U. S.; Southwestern states; Trails (s); Western states

Saracens
See also Arabia — History; Arabs; Caliphs; Crusades; Mohammedanism; Moors

Refer from Arabia — History; Arabs; Crusades; Mohammedanism; Moors

Sarcophagi

Refer from Bas-relief; Burial; Christian art and symbolism; Sculpture; Tombs

Satan *see* Devil
Satellites
See also Astronomy; Moon; Perturbation; Planets

Refer from Astronomy; Perturbation; Planets; Secondary planets (s)

Satire
See also Caricature and cartoons; Humor; Irony; Parodies

Refer from Caricature and cartoons; Comic literature (s); Humor; Lampoons (s); Literature; Rhetoric

——American
See also American literature; Satire, English

Refer from American literature; American satire (s); Humor, American; Satire, English

——English
See also English literature; Satire, American

Refer from English literature; English satire (s); Humor, English; Satire, American

——Greek
See also Greek literature

Refer from Greek literature; Greek satire (s)

Sauces
See also Cookery

Refer from Cookery; Salads

Savages
See also Indians; Society, Primitive

Refer from Ethnology; Man; Primitive man (s); Society, Primitive; Sociology

Saving *see* Thrift
Savings banks
See also Banks and banking; Building and loan associations; Postal savings banks; School savings banks; Thrift; Trust companies

Refer from Banks and banking; Cooperation; Thrift

Saw mills *see* Sawmills
Sawmills

Refer from Lumber and lumbering; Mills and millwork; Saw mills (s)

Saws
See also Woodworking machinery

Refer from Tools; Woodworking machinery

Saxon language *see* Anglo-Saxon language; Old Saxon language
Sayings *see* Epigrams; Maxims; Proverbs; Quotations; Table-talk
Scaffolding
See also Building; Shoring and underpinning

Refer from Building; Carpentry; Roofs

Scalds *see* Burns and scalds
Scale (music)

Refer from Music

Scale insects
See also Hemiptera; San José scale

Refer from Coccidae (s); Fruit — Diseases and pests; Hemiptera; Insects, Injurious and beneficial; San José scale

Scalping

Refer from Indians

Scandinavian languages
See also Danish language; Germanic languages; Icelandic language; Norwegian language; Swedish language

Refer from Danish language; Germanic languages; Icelandic language; Norwegian language; Swedish language

Scandinavian literature
See also Danish literature; Eddas; Icelandic literature; Norwegian literature; Sagas; Swedish literature

Refer from Danish literature; Icelandic literature; Literature; Norse literature (s); Norwegian literature; Sagas; Swedish literature

Scandinavian mythology *see* Mythology, Norse

Scandinavians in the U. S.
See also Danes in the U. S.; Norwegians in the U. S.; Swedes in the U. S.

Refer from Danes in the U. S.; Norwegians in the U. S.; Swedes in the U. S.; U. S. — Foreign population

Scarabs

Refer from Amulets; Beetles; Symbolism

Scarlatina *see* Scarlet fever

Scarlet fever

Refer from Children — Diseases; Contagion and contagious diseases; Fever; Medicine — Practice; Scarlatina (s)

Scenarios *see* Plots (drama, novel, etc.)

Scene painting

Refer from Painting; Theater

Scenery *see* Landscape; Nature; Picturesque

Scent *see* Odors; Perfumery; Tracking

Scepticism *see* Skepticism

Schism, The great western, 1378–1417
See also Church history — Middle ages; Popes — History

Refer from Catholic church — History; Church history — Middle ages; Great schism, 1378–1417 (s); Papal schism (s); Popes — History

Scholars
See also Culture; Degrees, Academic

Refer from Culture; Education; Learned men (s); Learning (s); Scholarship (s); Study

Scholarship *see* Culture; Education; Scholars

Scholarships
See also Rhodes scholarships, Oxford university

Refer from Colleges and universities; Education; Education and state

Scholastic philosophy *see* Scholasticism

Scholasticism
See also Philosophy, Medieval; Realism

Refer from Philosophy; Philosophy, Medieval; Realism; Scholastic philosophy (s)

School administration and organization
See also School grading and promotions; School management; School reports; School superintendents and principals

Refer from School management; School organization (s)

School architecture *see* Schoolhouses

School athletics
See also Baseball; Basket-ball; College athletics; Football

Refer from Athletics; College athletics; Games; High school athletics (s); High schools; Physical education; School sports (s)

School attendance
See also Compulsory education; Truancy

Refer from Compulsory education; School children; Truancy

School books *see* Textbooks

School buildings *see* Schoolhouses

School centralization *see* Schools — Centralization

School children
See also Anthropometry; Child study; Children, Abnormal and backward; Medical inspection of schools; Playgrounds; School attendance; School hygiene; School lunches; School management; Study; Truancy

Refer from Boys; Children; Girls; Public schools; School hygiene

School city
See also Self-government (in education)

Refer from Citizenship; Education and citizenship; School republics (s); Self-government (in education)

School decoration

Refer from Art in the schoolroom (s); Decoration and ornament; House decoration; Schoolhouses; Schoolroom decoration (s)

School discipline *see* School management

School entertainments

Refer from Entertainments

School equipment *see* School furniture and equipment

School excursions

Refer from Amusements; Excursions, School (s)

School farms *see* Farm schools; School gardens

School furniture and equipment
Refer from Furniture; School equipment (s)

School gardens
See also Gardening; Vacant lot cultivation
Refer from Gardening; Gardens; Nature study; School farms (s); Vacant lot cultivation

School grading and promotions
Refer from Grading in schools (s); Promotion (in schools) (s); School administration and organization; School management; Teaching

School houses *see* Schoolhouses

School hygiene
See also Medical inspection of schools; Open-air schools; Overpressure (education); Playgrounds; School children; School lunches; School nurses
Refer from Children — Care and hygiene; Hygiene; Hygiene, Public; Medical inspection of schools; Occupations — Diseases and hygiene; Sanitation; School children; Schoolhouses

School lands
Refer from Land; Land grants; Land tenure; U. S.— Public lands

School laws
See also Compulsory education
Refer from Compulsory education; Educational laws (s); Law

School libraries
See also Libraries and schools
Refer from Children's literature; Libraries; Libraries, Children's; Libraries, School (s); Libraries and schools

School life *see* Student life

School lunches
Refer from Children — Care and hygiene; Diet; Luncheons; Penny lunches (s); School children; School hygiene

School management
See also Corporal punishment; Fire drills; Overpressure (education); School administration and organization; School grading and promotions; Self-government (in education); Teaching
Refer from Corporal punishment; Discipline, School (s); School administration and organization; School children; School discipline (s); Teaching

School music
See also Kindergarten — Games and songs
Refer from Music; Singing and voice culture; Songs

School nurses
See also Medical inspection of schools
Refer from Medical inspection of schools; Nurses and nursing; School hygiene

School organization *see* School administration and organization

School playgrounds *see* Playgrounds

School principals *see* School superintendents and principals

School reports
Refer from School administration and organization

School republics *see* School city

School savings banks
Refer from Banks and banking; Savings banks

School sports *see* School athletics

School stories
See also College stories
Refer from College stories; Fiction; Student life

School superintendents and principals
Refer from Principals, School (s); School administration and organization; School principals (s); Superintendents, School (s); Teachers

School teaching *see* Teaching

Schoolhouses
See also School decoration; School hygiene; Social centers
Refer from Architecture; Public buildings; School architecture (s); School buildings (s); School houses (s)

Schoolmasters *see* Teachers

Schoolroom decoration *see* School decoration

Schools
See also Academies (schools); Auxiliary schools; Charity schools; Church schools;
Refer from Education; Public schools

Schools—Continued
Colleges and universities; Correspondence schools and courses; Country schools; Curriculum; Education; Evening and continuation schools; Farm schools; Grammar schools; High schools; Kindergarten; Libraries and schools; Normal schools; Open-air schools; Parental schools; Playgrounds; Private schools; Public schools; Ragged schools; Sewing schools; Summer schools; Sunday schools; Trade schools; Truant schools; Vacation schools; *also* headings beginning School

——**Centralization**

Refer from Centralization of schools (s); Concentration of schools (s); Consolidation of schools (s); Country schools; Public schools; School centralization (s)

——Medical inspection, *see* Medical inspection of schools

Schools and libraries *see* Libraries and schools; Children's literature; Libraries, Children's

Schwenkfelders

Refer from Germans in Pennsylvania; Sects

Sciagraphs *see* Radiography

Science
See also Anthropology; Astronomy; Biology; Botany; Chemistry; Economics; Ethnology; Evolution; Geography; Geology; Government; History; Industrial arts; Inventions; Language; Law; Logic; Mathematics; Medicine; Meteorology; Microscope and microscopy; Military art and science; Mineralogy; Natural history; Nature; Nature study; Naval art and science; Occult sciences; Paleontology; Philosophy; Physical geography; Physics; Psychology; Radioactivity; Religion and science; Scientific apparatus and instruments; Scientific expeditions; Scientific recreations; Scientific research; Scientific societies; Scientists; Sociology; Technology; Theology; Weights and measures; Zoology

Refer from Discoveries (in science) (s); Knowledge; Natural history; Natural science (s); Nature; Philosophy

——**Study and teaching**
See also Nature study; Technical education; *also* names of sciences

Refer from Education, Scientific (s); Scientific education (s)

Science and religion *see* Religion and science

Science and the Bible *see* Bible and science

Scientific apparatus and instruments
See also Astronomical instruments; Chemical apparatus; Instruments; Optical instruments; *also* names of instruments

Refer from Instruments; Philosophical instruments (s); Physical instruments (s); Science; Scientific instruments (s)

Scientific associations *see* Scientific societies

Scientific education *see* Science — Study and teaching

Scientific expeditions
See also Antarctic regions; Arctic regions; Challenger expedition; *also* names of countries, subhead Exploring expeditions

Refer from Antarctic regions; Arctic regions; Discoveries and explorations; Expeditions, Scientific (s); Science; Voyages and travels

Scientific instruments *see* Scientific apparatus and instruments

Scientific management
See also Accounting; Cost accounting; Efficiency, Industrial; Executive ability; Factory management; Foremen's schools; Machine shop management; Railroads — Management

Refer from Business; Efficiency, Industrial; Executive ability; Factory management; Industrial betterment; Labor and laboring classes; Machine shop management; Management of factories, shops, etc. (s); Manufactures;

Mills and millwork; Railroads — Management; Shop management (s); Works management (s)

Scientific men *see* Scientists

Scientific recreations
See also Mathematical recreations
Refer from Amusements; Science

Scientific research
See also Laboratories; Medical research; Research
Refer from Research; Science; Study

Scientific societies
See also Botanical societies; Chemical societies; Learned societies
Refer from Learned societies; Science; Scientific associations (s); Societies

Scientists
See also Astronomers; Botanists; Chemists; Electricians; Entomologists; Geologists; Inventors; Mathematicians; Naturalists; Ornithologists; Zoologists
Refer from Authors; Biography; Naturalists; Science; Scientific men (s)

Scores (music) *see* Music — Scores, and references under that subject

Scotch ballads *see* Ballads, Scottish

Scotch in France

Scotch in Ireland *see* Scotch-Irish

Scotch-Irish
Refer from Ireland; Scotch in Ireland (s)

Scotch-Irish in the U. S.
Refer from Irish in the U. S.; U. S.— Foreign population

Scotch literature *see* Scottish literature

Scotch plaids *see* Tartans

Scottish ballads *see* Ballads, Scottish

Scottish borders *see* Borders of Scotland

Scottish clans *see* Clans

Scottish highlands *see* Highlands of Scotland

Scottish language *see* English language — Dialects — Scottish; Gaelic language

Scottish literature
See also Ballads, Scottish; English literature; Gaelic literature; Scottish poetry
Refer from British literature (s); English literature; Scotch literature (s); Scottish poetry

Scottish marches *see* Borders of Scotland

Scottish poetry
See also Ballads, Scottish; English poetry; Scottish literature; Songs, Scottish
Refer from Ballads, Scottish; British poetry (s); English poetry; Scottish literature

Scottish songs *see* Ballads, Scottish; Songs, Scottish

Scouring *see* Cleaning; Dyes and dyeing

Scouts and scouting
See also Boy scouts; Tracking
Refer from Military art and science

Scrap-books *see* Scrapbooks

Scrapbooks
See also Clippings
Refer from Clippings; Scrap-books (s)

Screw-cutting machines *see* Screw machines

Screw machines
See also Machine tools; Screws
Refer from Machine tools; Machinery; Screw-cutting machines (s); Screws

Screw propellers *see* Propellers

Screws
See also Machine design; Screw machines
Refer from Hardware; Machine design; Machinery; Screw machines

Scriptures *see* Bible

Sculling *see* Rowing

Sculptors
See also Artists
Refer from Artists; Sculpture

Sculpture
See also Anatomy, Artistic; Art; Bas-relief; Bronzes; Carving (art industries); Drawing; Esthetics; Ivory; Marble; Modeling; Monuments; Plaster casts; Proportion (art); Sarcophagi; Sculptors; Statues
Refer from Archaeology; Art; Bas-relief; Carving (art industries); Decoration and ornament; Esthetics; Iconography (s); Modeling; Monuments; Plaster casts; Statues; Stonecutting

Scutage
See also Feudalism

Refer from Escuage (s); Feudalism; Land tenure; Taxation

Sea *see* Ocean
Sea bathing *see* Baths and bathing
Sea coast defense *see* Coast defense
Sea fights *see* Naval battles
Sea fisheries *see* Fisheries
Sea food
See also Fish as food; Oysters

Refer from Fish as food; Food; Ocean

Sea kings *see* Northmen
Sea level
See also Altitudes

Refer from Altitudes; Ocean

Sea life *see* Marine biology; Seafaring life
Sea mosses *see* Algae
Sea plants *see* Aquatic plants
Sea power
See also Disarmament; Naval art and science; Naval history; Navies; Warships; *also* names of countries, subhead Navy

Refer from Disarmament; Dominion of the sea (s); International relations; Maritime power (s); Military power (s); Naval art and science; Naval history; Naval power (s); Navies

Sea serpents
See also Animals, Mythical

Refer from Animals, Mythical; Delusions (s); Monsters

Sea stories

Refer from Fiction; Ocean; Sailors; Seafaring life

Sea walls
See also Embankments

Refer from Embankments; Engineering; Hydraulic engineering; Ocean; Walls

Sea water

Refer from Ocean; Salt; Water

Seafaring life
See also Sailors; Sea stories; Whaling

Refer from Adventure; Marine life (s); Ocean life (s); Sailors; Sea life (s); Voyages and travels

Seals (animals)
See also Carnivora; Fisheries — Alaska

Refer from Carnivora; Fisheries; Fisheries — Alaska; Fur-bearing animals; Fur seals (s); Mammals; Marine zoology

Seals (numismatics)
See also Numismatics

Refer from Archaeology; Heraldry; Inscriptions; Intaglios; Numismatics; Sigillography (s); Signets (s); Sphragistics (s)

Seamanship *see* Navigation
Seamen *see* Sailors
Seamen's missions *see* Missions — Seamen
Search, Right of
See also Maritime law; Neutrality

Refer from International law; Maritime law; Neutrality; Privateering; Right of search (s)

Searchlights

Refer from Electric lighting

Seashore
See also Algae; Baths and bathing; Beaches; Coast changes; Dunes; Marine biology; Marine zoology; Ocean

Refer from Beaches; Marine zoology; Ocean; Physical geography; Shore (s)

Seasickness

Refer from Medicine — Practice; Naval hygiene; Ocean; Ocean travel

Seasons
See also Autumn; Spring; Summer; Winter

Refer from Astronomy; Autumn; Climate; Earth; Meteorology; Months; Nature; Spring; Summer; Winter; Year

Seat work in schools *see* Busy work
Seaweeds *see* Algae
Secession
See also Confederate States of America; Federal government; State rights; U. S. — History — Civil war

Refer from Federal government; Government; State rights; U. S.— Constitution; U. S.— History — Civil war

Second advent
See also Christadelphians; Eschatology; Jesus Christ; Judgment day; Millennium; Second adventists

Refer from Advent; Eschatology; Jesus Christ; Jesus Christ — Second advent (s); Judgment day; Millennium; Prophecies; Theology

Second adventists

Refer from Adventists (s); Millerites (s); Second advent; Sects

Second sight
See also Clairvoyance

Refer from Divination; Occult sciences; Superstition

Secondary batteries *see* Storage batteries
Secondary education *see* Education, Secondary
Secondary planets *see* Satellites
Secondary schools *see* Academies (schools); Education, Secondary; High schools

Secret chambers

Refer from Architecture; England — Historic houses; Priests' holes (s)

Secret service
See also Detectives

Refer from Detectives; U. S.— History — Civil war; U. S.— Secret service (s)

Secret societies
See also Benefit societies; Boxers; Camorra; Carbonari; Fenians (society); Fraternities, College; Fraternities, High school; Freemasons; Grange; Hazing; Ku-Klux Klan; Mafia; Malta, Knights of; Nihilism; Odd Fellows; Rosicrucians; Templars

Refer from Benefit societies; Fraternities, College; Societies

Secret writing *see* Ciphers

Sectionalism

Refer from Politics; U. S.— Economic conditions; U. S.— Politics; U. S.— Social conditions

Sects
See also Anabaptists; Baptists; Brownists; Catholic apostolic church; Catholic church; Christadelphians; Christian science; Christian union; Church of England; Church of Scotland; Congregationalism; Disciples of Christ; Dissenters; Dukhobors; Flagellants; Friends, Society of; German Baptist brethren; Harmonists; Huguenots; Hussites; Labadists; Lollards; Lutheran church; Mennonites; Methodist Episcopal church; Moravians; Mormons and Mormonism; Nestorians; New Jerusalem church; Plymouth brethren; Presbyterianism; Protestant Episcopal church in the U. S.; Reformed church in America; Salvation army; Sandemanians; Schwenkfelders; Second adventists; Separatist society of Zoar; Seventh-day Baptists; Shakers; Unitarianism; United brethren in Christ; Universalism; Waldenses; Wesleyan Methodist church

Refer from Belief; Christianity; Church history; Denominations, Religious (s); Faith; Protestantism; Religion; Religions; Religious denominations (s); Theology

Secularism
See also Agnosticism; Utilitarianism

Refer from Ethics; Free thought; Religion; Utilitarianism

Securities
See also Bonds; Investments; Mortgages; Negotiable instruments; Stocks

Refer from Bonds; Capitalization (finance) (s); Dividends (s); Finance; Investments; Loans; Mortgages; Negotiable instruments; Promoting; Stocks

Sedan campaign, 1870
See also Franco-German war

Refer from Franco-German war

Sedimentary rocks *see* Rocks

Sedimentation and deposition
See also Erosion; Geology

Refer from Deposition (geology) (s); Erosion; Geology

Sedition act, 1798, *see* Alien and sedition laws, 1798

Seedlings — *Refer from* Botany; Gardening; Plants

Seeds
See also Botany — Embryology; Germination — *Refer from* Botany; Botany — Embryology; Botany, Structural; Germination; Plant propagation; Plants

——Adulteration and inspection — *Refer from* Adulterations; Seeds — Inspection (s); Seeds — Selection and testing

——Dispersal — *Refer from* Ecology; Geographical distribution of animals and plants

——Distribution — *Refer from* Distribution of seed by the government (s); Free seed distribution (s)

——Inspection, *see* Seeds — Adulteration and inspection

——Selection and testing
See also Seeds — Adulteration and inspection — *Refer from* Agriculture; Gardening; Grain; Plant breeding

Seismology *see* Earthquakes; Volcanoes

Selection, Natural, *see* Natural selection

Self-control — *Refer from* Conduct of life; Self-government (in education)

Self-culture
See also Books and reading; Conversation; Correspondence schools and courses; Education; Etiquet; Mental discipline; Study; Study clubs; University extension — *Refer from* Conduct of life; Culture; Education; Home education; Mental discipline; Self-education (s); Self-help (s); Study; Young men; Young women

Self-denial — *Refer from* Conduct of life; Ethics

Self-education *see* Self-culture

Self-government *see* Democracy; Home rule; Local government; Representative government and representation

Self-government (in education)
See also School city; Self-control — *Refer from* Colleges and universities; Education; Honor system (s); School city; School management; Student self-government (s)

Self-help *see* Conduct of life; Self-culture; Self-reliance; Success

Self-inductance *see* Inductance

Self-made men *see* Success

Self-reliance — *Refer from* Conduct of life; Self-help (s)

Self-respect — *Refer from* Conduct of life; Ethics

Selfishness
See also Egoism; Hedonism — *Refer from* Conduct of life; Egoism; Ethics; Hedonism

Selling *see* Sale; Salesmanship

Seminary method
See also Research — *Refer from* Education; Research; Study; Teaching

Semites *see* Semitic race

Semitic languages
See also Arabic language; Assyrian language; Hebrew language; Oriental languages — *Refer from* Arabic language; Assyrian language; Hebrew language; Language; Oriental languages

Semitic race
See also Arabs; Jews — *Refer from* Arabs; Ethnology; Jews; Semites (s)

Senate *see* under names of countries and states

Senators — *Refer from* Statesmen

——U. S. — *Refer from* U. S.— Congress; U. S.— Senate

———Election — *Refer from* Elections — U. S.; Popular election of senators (s)

Sensation *see* Senses and sensation

Senses and sensation
See also Color sense; Hearing; Light; Muscular sense; Pain; Perception; Psychology; Psychology, Physiological; Reaction time; Sight; Smell; Sound; Space perception; Taste (sense); Touch

Refer from Consciousness; Hearing; Intellect; Perception; Psychology; Psychology, Physiological; Sensation (s); Sight; Smell; Space perception; Taste (sense); Touch

Sentence, Indeterminate, *see* Indeterminate sentence

Separatist society of Zoar

Refer from Separatists (s); Sects; Zoar community (s); Zoarites (s)

Separatists *see* Separatist society of Zoar
Separators, Cream, *see* Cream separators

Sepia painting

Refer from Painting

Sepoy rebellion, *see* Indian mutiny, 1857–1858
Sepulchers *see* Tombs
Sepulture *see* Burial
Seraglio *see* Harem

Serfdom
See also Feudalism; Peonage; Russia — History; Slavery; Villeinage

Refer from Feudalism; Government; Slavery; Villeinage

Sericulture *see* Silkworms

Sermon on the mount
See also Beatitudes; Bible — New Testament — Matthew

Refer from Beatitudes; Bible; Bible — New Testament — Matthew; Jesus Christ — Teaching

Sermons
See also Children's sermons; College sermons; Funeral sermons; Preaching

Refer from Homiletics (s); Homilies (s); Literature; Preaching; Religion; Theology

——Illustrative helps, *see* Anecdotes, Religious
——**Outlines**

Serpent worship

Refer from Animal worship; Animism; Indians — Religion; Nature worship; Snake worship (s); Snakes; Worship

Serpents *see* Snakes

Serum therapy
See also Antitoxins; Immunity; Inoculation

Refer from Antitoxins; Immunity; Inoculation; Organotherapy; Therapeutics

Servants
See also Employment agencies; Indentured servants; Livery; Master and servant; Tipping; Waiters

Refer from Domestic service (s); Domestics (s); Home economics; Housemaids (s); Labor and laboring classes; Master and servant; Waiters

Service-books *see* Liturgies
Settlements *see* Social settlements

Seven wonders of the world

Refer from History, Ancient; Wonders of the world (s)

Seven years' war, 1756–1763
See also Europe — History — 1492–1789; French and Indian war; Germany — History — 1740–1815; Prussia — History

Refer from Austria — History; England — History — 1714–1837; Europe — History — 1492–1789; France — History — Bourbons; French and Indian war; Germany — History — 1740–1815; Prussia — History; Sweden — History

Seventeen-year locusts *see* Cicadas

Seventeenth century
See also English literature — History and criticism — 17th century; History, Modern

Refer from Europe — History — 1492–1789; History, Modern

Seventh-day Baptists
See also German Baptist brethren

Refer from Baptists; Sabbatarians (s); Sects

Sewage
See also Filters and filtration; Sewerage;. Water pollution

Refer from Hygiene, Public; Refuse and refuse disposal; Sanitary chemistry; Sanitary engineering; Sanitation; Sewerage; Waste, Disposal of (s); Water pollution

Sewerage
See also Plumbing; Sanitary engineering; Sewage; *also* names of cities, subhead Sewerage

Refer from Drainage; House drainage (s); Municipal engineering; Sanitary engineering; Sanitation; Sewage; Sewers (s)

Sewers *see* Sewerage
Sewing *see* Needlework
Sewing machines — *Refer from* Machinery; Needlework
Sewing schools
See also Needlework — *Refer from* Needlework; Schools
Sex
See also Hermaphroditism; Marriage; Puberty; Sexual ethics — *Refer from* Biology; Man; Marriage; Physiology; Women
Sex worship *see* Phallicism
Sextant
See also Astronomical instruments; Surveying instruments — *Refer from* Astronomical instruments; Surveying instruments
Sexual ethics
See also Adultery; Chastity; Illegitimacy; Marriage; Prostitution — *Refer from* Adultery; Ethics; Ethics, Sexual (s); Marriage; Prostitution; Sex; Social purity (s)

Shades and shadows
See also Geometry, Descriptive; Perspective — *Refer from* Drawing; Geometry, Descriptive; Perspective; Shadows (s)
Shadow pantomimes — *Refer from* Amateur theatricals; Chinese shadows (s); Gallanty shows (s); Pantomime; Puppet plays

Shadows *see* Shades and shadows
Shaft sinking
See also Boring; Mining engineering — *Refer from* Boring; Mines and mineral resources; Mining engineering

Shafting
See also Belting; Power transmission; Pulleys — *Refer from* Belting; Machinery; Power transmission; Pulleys
Shakers — *Refer from* Communism; Millennial church (s); Sects; Socialism; United society of believers (s)

Shakespeare, William
[These subheads may be used for other authors as needed]
——Actors, *see* Shakespeare — Stage presentation
——Animal lore, *see* Shakespeare — Natural history
——**Authorship** — *Refer from* Bacon-Shakespeare controversy (s); Shakespeare — Bacon-Shakespeare controversy (s); Shakespeare-Bacon controversy (s)
——Bacon-Shakespeare controversy, *see* Shakespeare — Authorship
——Biblical knowledge, *see* Shakespeare — Learning; Shakespeare — Religion and ethics
——**Bibliography** — *Refer from* Shakespeare — Editions (s)
——**Biography**
——Botanical knowledge, *see* Shakespeare — Natural history
——**Celebrations** — *Refer from* Shakespeare — Commemorations (s)
——**Characters**
See also Shakespeare — Stage presentation — *Refer from* Shakespeare — Fools (s); Shakespeare — Heroines (s); Shakespeare — Women (s)
——**Chronology**
——Clubs, *see* Shakespeare — Societies
——Collier controversy, *see* Shakespeare — Textual criticism
——Commemorations, *see* Shakespeare — Celebrations
——Commentaries, *see* Shakespeare — Criticism
——**Concordances** — *Refer from* Shakespeare — Indexes (s)

Shakespeare, William — Continued
——**Contemporary England**

Refer from Elizabethan age (s); England — History — Elizabethan period; England — Social life and customs; Shakespeare — England in Shakespeare's time (s); Shakespeare — Environment (s)

——**Criticism** [including commentaries without text; criticism of a single play follows its text]
See also Shakespeare — Textual criticism

Refer from Shakespeare — Commentaries (s)

——Cyclopedias, *see* Shakespeare — Dictionaries
——**Dictionaries**

Refer from Shakespeare — Cyclopedias (s)

——Editions, *see* Shakespeare — Bibliography
——England in Shakespeare's time, *see* Shakespeare — Contemporary England
——Environment, *see* Shakespeare — Contemporary England
——Ethics, *see* Shakespeare — Religion and ethics
——**Fiction** [about]
——**Folklore and mythology**

Refer from Shakespeare — Learning; Shakespeare — Mythology (s)

——Fools, *see* Shakespeare — Characters
——**Forgeries**

Refer from Literary forgeries and mystifications; Shakespeare — Ireland forgeries (s)

——Grammar, *see* Shakespeare — Language, pronunciation and versification
——Heroines, *see* Shakespeare — Characters
——**Home**
See also Stratford-upon-Avon

Refer from Stratford-upon-Avon

——**Humor**

Refer from Shakespeare — Wit and humor (s)

——**Illustrations**

Refer from Shakespeare — Pictures (s)

——Indexes, *see* Shakespeare — Concordances
——Ireland forgeries, *see* Shakespeare — Forgeries
——Knowledge, *see* Shakespeare — Learning
——**Language, pronunciation and versification**

Refer from Shakespeare — Grammar (s); Shakespeare — Pronunciation (s); Shakespeare — Rhetoric (s); Shakespeare — Textual criticism; Shakespeare — Versification (s)

——**Learning**
See also Shakespeare — Folklore and mythology; Shakespeare — Natural history; Shakespeare — Sources

Refer from Shakespeare — Biblical knowledge (s); Shakespeare — Knowledge (s); Shakespeare — Legal knowledge (s); Shakespeare — Medical knowledge (s); Shakespeare — Sources

——Legal knowledge, *see* Shakespeare — Learning
——Medical knowledge, *see* Shakespeare — Learning
——**Miscellaneous**
——**Monuments**
——**Music**
——Mythology, *see* Shakespeare — Folklore and mythology
——**Name**
——**Natural history**

Refer from Shakespeare — Animal lore (s); Shakespeare — Botanical knowledge (s); Shakespeare — Learning; Shakespeare — Plant lore (s)

——**Periodicals**
——**Philosophy**
See also Shakespeare — Religion and ethics

Shakespeare, William—Continued
——Pictures, *see* Shakespeare — Illustrations; Shakespeare — Portraits
——Plant lore, *see* Shakespeare — Natural history
——**Plots**
See also Shakespeare — Sources

Refer from Plots (drama, novel, etc.); Shakespeare — Sources

——**Poetry** [about]
——**Portraits**

Refer from Shakespeare — Pictures (s)

——Pronunciation, *see* Shakespeare — Language, pronunciation and versification
——**Religion and ethics**

Refer from Shakespeare — Biblical knowledge (s); Shakespeare — Ethics (s); Shakespeare — Philosophy; Shakespeare — Theology (s)

——Rhetoric, *see* Shakespeare — Language, pronunciation and versification
——**Societies**

Refer from Shakespeare — Clubs (s)

——**Sources**
See also Shakespeare — Learning; Shakespeare — Plots

Refer from Shakespeare — Learning; Shakespeare — Plots

——**Stage presentation**

Refer from Shakespeare — Actors (s); Shakespeare — Characters; Theater

——**Stories**

Refer from Shakespeare — Tales from Shakespeare (s)

——**Study and teaching**
——Tales from Shakespeare, *see* Shakespeare — Stories
——**Textual criticism**
See also Shakespeare — Language, pronunciation and versification

Refer from Shakespeare — Collier controversy (s); Shakespeare — Criticism

——Theology, *see* Shakespeare — Religion and ethics
——Versification, *see* Shakespeare — Language, pronunciation and versification
——Wit and humor, *see* Shakespeare — Humor
——Women, *see* Shakespeare — Characters
Shakespeare-Bacon controversy *see* Shakespeare — Authorship
Shawls

Refer from Costume; Textile industry and fabrics

Shay's rebellion, 1786–1787
See also Massachusetts — History

Refer from Massachusetts — History

Sheep
See also Feeding and feeding stuffs; Live stock; Ungulata; Veterinary medicine; Wool

Refer from Domestic animals; Live stock; Ungulata; Veterinary medicine; Wool

Sheet-metal work
See also Brass; Copper; Dies; Metal work; Punching machinery; Tin; Tinsmithing; Zinc

Refer from Dies; Machine shop practice; Metal work; Tinsmithing

Shell money
See also Wampum

Refer from Indians; Money; Wampum

Shell mounds *see* Kitchen middens
Shells (conchology) *see* Mollusks
Shells (explosives) *see* Projectiles
Shellwork

Refer from Arts and crafts

Shelving (for books)

Refer from Book shelves (s); Book stacks (s); Bookcases (s); Books; Libraries; Library architecture; Library fittings and supplies; Stacks (for books) (s)

Sheriffs
See also Arrest

Refer from Arrest; County officers; Law

Shinto
See also Ancestor worship; Japan — Religion

Refer from Ancestor worship; Japan — Religion; Religions

Ship-building *see* Shipbuilding
Ship canals
See also Panama canal

Refer from Canals; Interoceanic canals (s); Panama canal

Ship fever *see* Typhus fever
Ship railroads

Refer from Railroads

Ship subsidies *see* Subsidies
Shipbuilding
See also Armored vessels; Boats and boating; Bulkheads; Launching; Marine engines; Motor boats; Propellers; Ships; Steamboats; Submarine boats; Torpedo boats; Warships; Yachts and yachting

Refer from Architecture, Naval (s); Boat building (s); Bulkheads; Industrial arts; Marine architecture (s); Marine engineering; Naval architecture (s); Naval art and science; Navigation; Ship-building (s); Shipping; Ships; Steamboats; Vessels (s)

Shipping
See also Carriers; Commerce; Maritime law; Salvage; Shipbuilding; Ships; Steamboats; Subsidies; Transportation

Refer from Carriers; Commerce; Maritime law; Mercantile marine (s); Merchant marine (s); Navigation; Ships; Steamboats; Transportation; Vessels (s)

——U. S.

Refer from U. S.— Commerce; U. S.— Merchant marine (s); U. S.— Shipping (s)

Shipping subsidies *see* Subsidies
Shippo *see* Cloisonné
Ships
See also Anchors; Armored vessels; Boats and boating; Galleys; Ice-breaking vessels; Launching; Naval art and science; Navies; Navigation; Propellers; Sailing; Sailors; Sails; Shipbuilding; Shipping; Shipwrecks; Steam navigation; Steamboats; Submarine boats; Torpedo boats; Warships; Yachts and yachting

Refer from Boats and boating; Fleets (s); Navigation; Ocean; Shipbuilding; Shipping; Vessels (s)

Shipwrecks
See also Castaways; Collisions at sea; Life-saving; Lifeboats; Salvage; Wrecking

Refer from Accidents; Adventure; Castaways; Collisions at sea; Disasters; Life-saving; Navigation; Ocean; Ships; Wrecks (s)

Shoemakers

Refer from Biography; Boots and shoes

Shoes *see* Boots and shoes
Shooting
See also Archery; Ballistics; Firearms; Game; Game birds; Gunnery; Guns; Hunting; Rifle practice; Rifles; Sports; Target practice

Refer from Ballistics; Firearms; Game; Game birds; Gunnery; Gunning (s); Guns; Hunting; Rifles; Sports

Shooting stars *see* Meteors
Shop management *see* Machine shop management; Scientific management
Shop practice *see* Machine shop practice
Shop window decoration *see* Window dressing
Shoplifting *see* Larceny
Shops *see* Machine shops; Railroads — Shops
Shore *see* Seashore
Shoring and underpinning
See also Building; Foundations

Refer from Building; Foundations; Scaffolding; Underpinning (s)

Short ballot *see* Ballot
Short-sightedness *see* Myopia
Short stories
See also Fiction

Refer from Authorship; Fiction; Literature; Stories (s)

Shorthand
See also Abbreviations; Writing

Refer from Abbreviations; Brachygraphy (s); Business education; Phonography (s); Reporting; Signs; Stenography (s); Tachygraphy (s); Takigraphy (s); Writing

Shot-guns *see* Shotguns
Shotguns

Refer from Firearms; Guns; Shot-guns (s)

Show cards
Show windows *see* Window dressing
Shrines
See also Holy wells; Miracles; Pilgrimages; Relics

Shrubs
See also Botany; Gardening; Hedges; Landscape gardening; Topiary work; Trees
Siberia — Exiles

Sicilian vespers
Sick, The, *see* Invalids
Sidereal system *see* Stars
Sidewalks
See also Pavements
Sieges
See also Battles; Fortification; Military art and science; Mines, Military
Sight
See also Astigmatism; Blind; Color blindness; Color sense; Eye; Myopia; Optical illusions; Senses and sensation; Spectacles
Sight reading
See also Tonic sol-fa

Sigillography *see* Seals (numismatics)
Sign boards *see* Sign painting; Signs
Sign language
See also Ciphers; Deaf and dumb; Pantomime
Sign painting
See also Lettering; Painting, Mechanical; Signs

Signals
See also Beacons; Bugle calls; Fire alarms; Flags; Fog signals; Railroads — Signals; Telegraph; Wireless telegraphy
Signatures *see* Autographs
Signboards *see* Sign painting; Signs
Signers of the Declaration of independence *see* Declaration of independence — Signers
Signets *see* Seals (numismatics)
Signs
See also Shorthand; Sign language; Sign painting; Signals

Signs (omens) *see* Omens
Sikhs
See also India — History

Silage *see* Ensilage
Silhouettes
Silk
See also Silkworms; Textile industry and fabrics
Silkworms

Silos *see* Ensilage
Silurian period *see* Geology, Stratigraphic — Silurian; Paleontology — Silurian
Silver
See also Cyanide process; Precious metals; Silver (as money); Silver mines and mining; Silversmithing; Silverware

Refer from Advertising

Refer from Catholic church; Christian antiquities; Church furniture; Holy wells; Miracles; Pilgrimages; Relics; Saints

Refer from Botany; Gardening; Hedges; Landscape gardening; Plants
Refer from Crime and criminals — Russia; Exile; Penal colonies; Prisons — Russia
Refer from Massacres; Sicily — History

Refer from Pavements; Roads; Streets

Refer from Battles; History; Military art and science; Military history; War

Refer from Eye; Light; Optics, Physiological (s); Perception; Senses and sensation; Vision (s)

Refer from Music; Music — Instruction and study; Singing and voice culture

Refer from Deaf and dumb; Gesture; Language; Signs

Refer from Advertising; Lettering; Painting, Mechanical; Sign boards (s); Signboards (s); Signs

Refer from Collisions at sea; Flags; Military art and science; Naval art and science; Navigation; Signs

Refer from Advertising; Business; Municipal improvement; Sign boards (s); Sign painting; Signboards (s)

Refer from India — History; India — Religion; Religions

Refer from Art; Drawing

Refer from Animal products; Fibers; Textile industry and fabrics; Yarn
Refer from Cocoons; Moths; Sericulture (s); Silk

Refer from Precious metals

Silver (as money)
See also Bimetallism; Coinage; Money

Refer from Bimetallism; Campaign literature; Coinage; Demonetization of silver (s); Finance; Free coinage of silver (s); Money; Resumption of specie payment (s); Silver; Silver question (s); Specie (s); Specie payment (s)

Silver mines and mining

Refer from Mines and mineral resources; Silver

Silver-plating *see* Electroplating; Plating
Silver question *see* Money — U. S.; Silver (as money)
Silverplating *see* Electroplating; Plating
Silversmithing
See also Arts and crafts; Hall marks; Jewelry; Metal coloring; Plate; Silverware

Refer from Arts and crafts; Jewelry; Metal coloring; Metal work; Plate; Silver; Silverware

Silverware
See also Hall marks; Plate; Silversmithing

Refer from Hall marks; Plate; Silver; Silversmithing

Silviculture *see* Forests and forestry; Trees
Simony

Refer from Church discipline; Church law

Simple life
See also Country life; Leisure

Refer from Conduct of life; Country life

Simplified spelling *see* Spelling reform
Sin
See also Absolution; Christian ethics; Confession; Crime and criminals; Depravity; Evil; Fall of man; Future punishment; Predestination; Repentance; Salvation; Temptation

Refer from Christian ethics; Confession; Depravity; Ethics; Evil; Fall of man; Original sin (s); Religion; Temptation; Theology; Total depravity (s)

Sincerity
See also Honesty; Truth

Refer from Ethics; Honesty; Truth

Singers
See also Musicians

Refer from Musicians; Prima donnas (s); Singing and voice culture; Vocalists (s); Women

Singing and voice culture
See also Breathing; Chanting; Choirs; Choral societies; Music; Musical accompaniment; School music; Sight reading; Singers; Songs; Tonic sol-fa; Voice

Refer from Breathing; Chanting; Choirs; Elocution; Music; Music — Instruction and study; Songs; Vocal culture (s); Vocal music (s); Voice; Voice culture (s)

Singing societies *see* Choral societies
Single rail *see* Railroads — Single rail
Single tax
See also Land nationalization; Land tenure; Physiocrats

Refer from Betterments (s); Land; Land nationalization; Land tenure; Real estate; Taxation

Sinking funds

Refer from Debts, Public; Finance; Funds (s)

Sirups *see* Syrups
Sisterhoods
See also Carmelites; Convents and nunneries; Deaconesses; Nuns; Religious orders; Sisters of charity; Ursulines

Refer from Catholic church; Charities; Church history; Church of England; Church polity; Monasticism; Nuns; Protestant Episcopal church in the U. S.; Religious orders; Women

Sisters of charity

Refer from Charities; Charity, Sisters of (s); Nuns; Nurses and nursing; Sisterhoods

Six nations *see* Iroquois Indians
Sixteenth century
See also History, Modern

Refer from Europe — History — 1492–1789; History, Modern

Skat
See also Cards

Refer from Cards

Skating
See also Roller-skating; Winter sports

Refer from Athletics; Ice; Locomotion; Sports; Winter sports

Skees and skee-running
See also Winter sports

Refer from Skiing (s); Skis (s); Sports; Winter sports

Skeleton
See also Anatomy; Anatomy, Comparative; Bones; Skull; Spine

Refer from Anatomy; Anatomy, Comparative; Anthropology; Bones; Skull; Spine

Skepticism
See also Agnosticism; Atheism; Deism; Free thought; Materialism; Pantheism; Rationalism

Refer from Agnosticism; Atheism; Belief; Deism; Doubt (s); Faith; Free thought; Infidelity (s); Philosophy; Religion; Scepticism (s); Theology; Unbelief (s)

Sketching *see* Drawing; Painting
Skiagraphs *see* Radiography
Skiing *see* Skees and skee-running
Skin
See also Anatomy; Color of man; Skin grafting; Smallpox

Refer from Absorption (physiology); Anatomy; Beauty, Personal; Dermatology (s); Pigmentation (s)

——Diseases
See also Leprosy; Pellagra

Refer from Cutaneous diseases (s); Medicine — Practice
Refer from Skin; Surgery

Skin grafting
Skins *see* Hides and skins
Skipjacks
Skis *see* Skees and skee-running
Skull
See also Brain; Head; Skeleton; Trephining

Refer from Boats and boating; Sailing

Refer from Bones; Craniology (s); Ethnology; Head; Skeleton

Sky *see* Astronomy; Meteorology
Sky-scrapers *see* High buildings
Skylights
Skyscrapers *see* High buildings
Slag
See also Blast furnaces; Cement

Refer from Building; Roofs; Windows

Refer from Blast furnaces; Iron; Metals; Waste products

Slander *see* Libel and slander
Slang
See also Americanisms; Briticisms

Refer from Argot (s); Dialects; English language; Language; Manners and customs

Slate
Slate writing *see* Spiritualism
Slaughtering and slaughterhouses
See also Meat; Meat inspection; Packing industry

Refer from Building stones; Rocks; Roofs

Refer from Abattoirs (s); Butchering (s); Hygiene, Public; Markets; Meat; Meat inspection; Packing industry

Slave trade
See also Kidnapping; Slavery

Refer from African slave trade (s); Kidnapping; Negroes; Slavery

Slavery
See also Africa — Colonization; Freedmen; Galleys; Indentured servants; Negroes; Peonage; Redemptioners; Serfdom; Slave trade

Refer from Abolition of slavery (s); Antislavery (s); Emancipation (s); Ethics; Freedmen; Freedom (s); Government; History; Labor and laboring classes; Liberty; Negroes; Serfdom; Slave trade; Sociology

Slavery in the U. S.
See also Abolitionists; Free soil party; Freedmen; Fugitive slaves; Kansas — History; Kansas-Nebraska bill; Mason and Dixon's line; Missouri compromise; Negroes; Southern states; Underground railroad (slavery)

Refer from Abolition of slavery (s); Abolitionists; Free soil party; Negroes; Southern states; U. S.— History; U. S.— History— Civil war; U. S.— Slavery (s)

Slavic languages
See also Aryan languages; Bohemian language; Polish language; Russian language

Refer from Aryan languages; Bohemian language; Polish language; Russian language

Slavic literature
See also Bohemian literature; Polish literature; Russian literature

Refer from Bohemian literature; Literature, Polish literature; Russian literature

Slavic mythology *see* Mythology, Slavic
Slavic race *see* Slavs
Slavonic *see* Slavic

Slavs
See also Aryans; Czechs; Ethnology — Russia; Panslavism; Poles (Polanders)

Refer from Aryans; Czechs; Ethnology — Europe; Ethnology — Russia; Poles (Polanders); Slavic race (s)

Slavs in the U. S.
See also Bohemians in the U. S.; Poles in the U. S.; Russians in the U. S.

Refer from Bohemians in the U. S.; Poles in the U. S.; Russians in the U. S.; U. S. — Foreign population

Sleep
See also Dreams; Hypnotism; Insomnia; Nightmare; Somnambulism; Subconsciousness

Refer from Brain; Dreams; Hygiene; Insomnia; Night; Physiology; Psychology; Rest; Somnambulism; Subconsciousness

Sleep-walking *see* Somnambulism

Sleeping cars

Refer from Cars; Railroads — Rolling stock

Sleeping sickness
See also Tsetse flies

Refer from Insects as carriers of contagion; Medicine — Practice; Tropics — Diseases and hygiene; Tsetse flies

Sleeplessness *see* Insomnia
Sleepwalking *see* Somnambulism
Sleight of hand *see* Conjuring

Slide rule

Refer from Calculating machines; Carpentry; Logarithms; Mathematical instruments; Measuring instruments

Slide valves *see* Valves and valve gears
Slojd *see* Manual training; Woodwork
Sloth *see* Idleness
Sloyd *see* Manual training; Woodwork
Slumber songs *see* Lullabies

Slums
See also Poor; Tenement houses

Refer from Cities; Poor; Social problems; Tenement houses

Small arms *see* Firearms
Small fruit *see* Berries; Fruit

Smallpox
See also Inoculation; Vaccination; Varioloid

Refer from Contagion and contagious diseases; Epidemics; Inoculation; Medicine — Practice; Skin; Vaccination; Variola (s); Varioloid

Smell
See also Nose; Senses and sensation

Refer from Nose; Odors; Senses and sensation

Smelting
See also Blast furnaces; Electrometallurgy; Furnaces; Metallurgy; Ore treatment

Refer from Furnaces; Metallurgy; Metals; Ore treatment

Smoke
See also Fuel; Fumigation; Mechanical draft

Refer from Air pollution; Chimneys; Combustion; Fire; Fuel; Mechanical draft; Municipal improvement; Nuisances; Sanitary chemistry; Sanitation

Smokeless powder *see* Gunpowder

Smoking
See also Cigarettes; Cigars; Pipes, Tobacco; Tobacco; Tobacco — Physiological effects

Refer from Cigarettes; Cigars; Pipes, Tobacco; Temperance; Tobacco; Tobacco — Physiological effects

Smuggling

Refer from Commerce; Crime and criminals; Tariff

Snake dance
See also Indians — Dances

Refer from Indians — Dances

Snake venom *see* Venom

Snake worship *see* Serpent worship

Snakes
See also Reptiles; Serpent worship; Venom
Refer from Reptiles; Ophidia (s); Serpents (s)

Snow
See also Avalanches; Ice; Meteorology
Refer from Meteorology; Storms; Water

Snuff
Refer from Tobacco

Soap
See also Chemistry, Technical
Refer from Chemistry, Technical; Cleaning; Manufactures

Soap bubbles
Refer from Amusements; Bubbles, Soap (s); Liquids; Physics

Sobriquets *see* Nicknames; Pseudonyms

Sociables *see* Church entertainments; Entertainments

Social centers
See also Playgrounds; Social settlements
Refer from People's palaces (s); Recreation centers (s); Schoolhouses; Social work

Social classes *see* Class distinction

Social compact *see* Social contract

Social conditions *see* Civilization; Social problems; Sociology; *also* names of countries and cities, subhead Social conditions

Social contract
Refer from Government; Law; Social compact (s); Sociology; Sovereignty

Social democracy *see* Socialism

Social ethics
See also Christian ethics; Christian sociology; Leisure class; Political ethics; Social problems, and references under that subject; State ethics; Wealth
Refer from Christian ethics; Christian sociology; Ethics; Ethics, Social (s); Religion and sociology (s); Social problems; Sociology; State ethics

Social evil *see* Prostitution

Social life and customs *see* Manners and customs; Society; *also* names of countries and cities, subhead Social life and customs

Social pathology *see* Social problems

Social problems
See also Charities; Child labor; Christian sociology; Cost of living; Crime and criminals; Defectives; Divorce; Education; Eugenics; Family; Housing problem; Hygiene, Public; Immigration and emigration; Juvenile delinquency; Labor and laboring classes; Liquor problem; Marriage; Municipal government; Poor; Prostitution; Race problems; Reform; Slums; Social ethics; Social work; Socialism; Unemployed; War
Refer from Christian sociology; Civilization; Ethics; Reform; Social conditions (s); Social ethics; Social pathology (s); Social reform (s); Social work; Sociology

Social psychology
See also Crowds; Ethnopsychology; Fashion; National characteristics; Public opinion
Refer from Crowds; Ethnopsychology; Psychology; Psychology, Comparative; Psychology, Social (s); Sociology

Social purity *see* Sexual ethics

Social reform *see* Reform; Social problems

Social science *see* Civilization; Economics; Government; Sociology

Social service *see* Social work

Social settlements
See also Boys' clubs; City missions; Friendly visiting; Mothers' clubs; Neighborhood gilds; Neighborhood improvement; Poor; Social work
Refer from Charities; Church settlements (s); Church work; College settlements (s); Neighborhood work (s); Philanthropy; Poor; Settlements (s); Social centers; Social work; Sociology; University settlements (s)

Social work
See also Charities; Christian sociology; Discharged prisoners; Friendly visiting; Industrial betterment; Social centers; Social problems; Social settlements
Refer from Charities; Christian sociology; Philanthropy; Social problems; Social service (s); Social settlements

Socialism
See also Christian socialism; Communism; Cooperation; Economic determinism; Economics; Equality; Government ownership; Individualism; Land nationalization; Paternalism; Shakers; Socialism and Catholic church; Socialism and Christianity; Utopias

Refer from Collectivism (s); Communism; Cooperation; Democracy; Economic determinism; Economics; Equality; Government; Government ownership; Individualism; Labor and laboring classes; Land nationalization; Nationalism (s); Paternalism; Property; Social democracy (s); Social problems; Sociology; State socialism (s); Utopias

——Christian, *see* Christian socialism

Socialism and Catholic church
See also Socialism and Christianity

Refer from Catholic church — Social relations; Catholic church and socialism (s); Church and state; Socialism; Socialism and Christianity

Socialism and Christianity
See also Socialism and Catholic church

Refer from Christianity; Christianity and socialism (s); Church and state; Socialism; Socialism and Catholic church

Socialistic communities *see* Communism; *also* names of communities

Socialistic utopias *see* Utopias

Socials *see* Church entertainments; Entertainments

Societies
See also Agricultural societies; Antiquarian societies; Art societies; Benefit societies; Bible societies; Botanical societies; Charitable societies; Clubs; Corporations; Educational associations; Fraternities, College; Fraternities, High school; Geographical societies; Gilds; Historical societies; Humane societies; Insignia; Labor unions; Learned societies; Literary societies; Medical societies; Missionary societies; Musical societies; Patriotic societies; Scientific societies; Secret societies; Tract societies; Typographical societies; *also* names of societies

Refer from Associations (s); Clubs; Sociology

Society [for society life, not sociology]
See also Class distinction; Conversation; Courts and courtiers; Entertaining; Etiquet; Salons; Sociology; Solitude; *also* names of countries and cities, subhead Social life and customs

Refer from Etiquet; Manners and customs; Social life and customs (s); Sociology

——**Primitive**
See also Clans; Industries, Primitive; Savages; Tribes and tribal system; Village communities

Refer from Anthropology; Civilization; Clans; Ethnology; Government; Industries, Primitive; Primitive society (s); Savages; Sociology; Tribes and tribal system

Society of Friends *see* Friends, Society of

Society of Jesus *see* Jesuits

Socinianism
See also Arianism; Trinity; Unitarianism

Refer from Arianism; Humanitarianism (theology) (s); Jesus Christ; Jesus Christ — Divinity; Theology; Trinity; Unitarianism

Sociology
See also Altruism; Anarchism and anarchists; Anthropology; Caste; Charities; Children; Christian socialism; Christian sociology; Christianity; Cities; Civilization; Class distinction; Colonies and colonization; Communism; Cooperation; Crime and criminals; Crowds; Defectives; Divorce; Economics; Education; Equality; Ethics; Ethnopsychology; Eugenics; Evolution; Family; Feudalism; Gilds; Government;

Refer from Anthropology; Civilization; Ethics; Government; History; Labor and laboring classes; Man; People; Science; Social conditions (s); Social science (s); Society

Sociology — Continued
Immigration and emigration; Individualism; Industry; Insurance; Labor and laboring classes; Law; Leisure class; Man; Manners and customs; Marriage; Peace; People; Poor; Population; Prisons; Progress; Property; Punishment; Race problems; Religion; Savages; Slavery; Social contract; Social ethics; Social problems; Social psychology; Social settlements; Socialism; Societies; Society; Society, Primitive; Statistics; Temperance; Theology; Utopias; War; Women; *also* names of countries and cities, subhead Social conditions
——Christian, *see* Christian sociology

Soil absorption
See also Soil moisture
Refer from Absorption in soils (s); Agricultural physics; Soil moisture; Soils

Soil bacteriology
See also Bacteriology, Agricultural; Nitrification; Soil inoculation
Refer from Bacteriology; Bacteriology, Agricultural; Nitrification; Nitrifying bacteria (s); Soil inoculation; Soils

Soil fertility
See also Fertilizers and manures; Rotation of crops
Refer from Agriculture; Fertility (s); Soils

Soil inoculation
See also Nitrification; Soil bacteriology
Refer from Agriculture; Fertilizers and manures; Inoculation of soils (s); Legume inoculation (s); Nitrification; Soil bacteriology; Soils

Soil moisture
See also Agricultural physics; Drainage; Soil absorption
Refer from Agricultural physics; Moisture of soils (s); Soil absorption; Soils; Water, Underground

Soil surveys
Refer from Agriculture; Soils; Surveys (s)

Soiling crops *see* Feeding and feeding stuffs

Soils
See also Agricultural chemistry; Agricultural physics; Agriculture; Alkali lands; Alluvium; Bacteriology, Agricultural; Clay; Drainage; Fertilizers and manures; Irrigation; Nitrification; Soil absorption; Soil bacteriology; Soil fertility; Soil inoculation; Soil moisture; Soil surveys; Tillage
Refer from Agricultural chemistry; Agricultural physics; Agriculture; Geology; Geology, Economic; Mold, Vegetable (s); Tillage; Vegetable mold (s)

Sol-fa system *see* Tonic sol-fa
Solar eclipses *see* Eclipses
Solar engines *see* Solar motors
Solar heat *see* Sun

Solar motors
Refer from Motors; Solar engines (s); Sun

Solar parallax *see* Parallax
Solar physics *see* Astronomy; Astrophysics; Sun
Solar spectrum *see* Spectra

Solar system
See also Asteroids; Astronomy; Meteoritic hypothesis; Nebular hypothesis; Planetesimal hypothesis; Planets [and their names]; Sun
Refer from Astronomy; Planets; Sun

Solder and soldering
See also Alloys; Welding
Refer from Alloys; Brazing (s); Metal work; Metals; Plumbing; Welding

Soldiers
See also Armies; Army life; Mercenary troops; Military art and science; Military biography; Pensions; Soldiers' homes; Soldiers' monuments
Refer from Armies; Army life; Military art and science; Military biography

Soldiers' homes

Refer from Homes (institutions) (s); Homes for the aged; Pensions; Soldiers

Soldiers' monuments

Refer from Monuments; Soldiers

Solicitors *see* Lawyers

Solid geometry *see* Geometry

Solids

Refer from Matter; Physics

Solitaire

Refer from Cards; Games; Patience (game) (s)

Solitude

See also Hermits

Refer from Conduct of life; Society

Soluble ferments *see* Enzymes

Solution (chemistry)

See also Boiling points; Chemistry; Chemistry, Physical; Colloids; Electrolysis; Ions; Osmosis

Refer from Chemistry; Chemistry, Physical; Fluids; Ions; Liquids; Osmosis

Somnambulism

See also Dreams; Hypnotism; Sleep

Refer from Dreams; Hypnotism; Medicine — Practice; Night; Psychology; Sleep; Sleepwalking (s); Sleepwalking (s)

Sonatas

See also Musical form

Refer from Instrumental music; Music; Music — Scores; Musical form; Piano music; Piano music — Scores

Song of birds *see* Birds — Song

Songs

See also Anthems; Ballads; Campaign songs; Carols; Children's songs; Choruses and part songs; Church music; College songs; Drinking songs; Duets, Vocal; Folk songs; Glees; Hymns; Kindergarten — Games and songs; Lullabies; Lyric poetry; National songs; Negro songs; Sailors' songs; School music; Singing and voice culture; War songs

Refer from Ballads; Carols; Folk songs; Glees; Lyric poetry; Music; Poetry; Singing and voice culture; Vocal music (s)

——**American**

See also Ballads, American; Campaign songs; Indians — Music; National songs; Negro songs; Songs, English

Refer from American poetry; American songs (s); Ballads, American; Music — U. S.; Songs, English

——**English**

See also Ballads, English; Songs, American; Songs, Irish; Songs, Scottish

Refer from Ballads, English; English poetry; English songs (s); Music — England; Songs, American

——**Irish**

See also Ballads, Irish

Refer from Ballads, Irish; Irish poetry; Irish songs (s); Music — Ireland; Songs, English

——**Scores**

See also references under Songs

Refer from Music — Scores

——**Scottish**

See also Ballads, Scottish

Refer from Ballads, Scottish; Music — Scotland; Scottish poetry; Scottish songs (s); Songs, English

Sonnets

See also Lyric poetry

Refer from Lyric poetry; Poetry

——**American**

See also American poetry; Sonnets, English

Refer from American literature; American poetry; American sonnets (s); Sonnets, English

——**English**

See also English poetry; Sonnets, American

Refer from English literature; English poetry; English sonnets (s); Sonnets, American

Sophists

See also Philosophy, Greek

Refer from Philosophy; Philosophy, Greek

Sorcery *see* Witchcraft

Sore throat *see* Throat

Sorghum

See also Molasses; Sugar

Refer from Forage plants; Molasses; Sugar

Soteriology *see* Salvation
Soubriquets *see* Nicknames; Pseudonyms
Soul
See also Animal intelligence; Animism; Future life; Personality; Preëxistence; Psychology; Spiritual life; Transmigration

Refer from Animism; Dualism; Ethics; Future life; Man; Materialism; Metaphysics; Personality; Philosophy; Preëxistence; Psychology; Salvation; Spirit (s); Theology; Transmigration

Sound
See also Acoustics of buildings; Ear; Hearing; Music; Noise; Phonetics; Phonograph; Physics; Radiation; Telephone; Voice

Refer from Acoustics (s); Ear; Music; Noise; Physics; Radiation; Senses and sensation; Vibration; Voice; Waves

Sounding and soundings

Refer from Deep-sea sounding (s); Hydrography; Navigation; Ocean

Soup
See also Cookery

Refer from Cookery

South (U. S.) *see* Southern states
South African war, 1899–1902
See also Jameson's raid, 1895–1896; Transvaal

Refer from Anglo-Boer war (s); Boer war, 1899–1902 (s); Boers; Concentration camps; England — History — Victorian period; England — History — 1901–; Transvaal

South pole
See also Antarctic regions

Refer from Antarctic regions; Earth; Polar regions (s)

Southern states
See also Confederate States of America; Creoles; Ku-Klux Klan; Mountaineers of the South; Negroes; Reconstruction; Slavery in the U. S.; Southwestern states; U. S. — History — Civil war; *also* names of states

Refer from Negroes; Reconstruction; Slavery in the U. S.; South (U. S.) (s)

Southwest (U. S.) *see* Southwestern states
Southwestern states
See also Santa Fé trail; Western states; *also* names of states

Refer from Southern states; Southwest (U. S.) (s); Western states

Sovereigns *see* Caliphs; Emperors; Kings and rulers; Monarchy; Queens and empresses
Sovereignty
See also Constitutional law; Government; Social contract; State rights

Refer from Constitutional law; Government; International law; Law

Space
See also Ether (of space); Fourth dimension; Space perception

Refer from Astronomy; Metaphysics; Philosophy

Space perception
See also Perception; Senses and sensation

Refer from Perception; Psychology, Physiological; Senses and sensation; Space

Space telegraphy *see* Wireless telegraphy
Spain — History
——To 1479
See also Moors in Spain

Refer from Moors in Spain

——1479–1700
See also Armada, 1588; Reformation —Spain

Refer from Armada, 1588; Reformation — Spain

——1700–
See also Austrian succession, War of; Carlists; Peninsular war, 1807–1814; Spanish succession, War of; U. S. — History — War with Spain

Refer from Austrian succession, War of; Carlists; Peninsular war, 1807–1814; Spanish succession, War of

Spanish America *see* Latin America
Spanish-American war, 1898, *see* U. S.— History — War with Spain
Spanish armada *see* Armada, 1588
Spanish inquisition *see* Inquisition
Spanish language [subdivided like German language]
See also Romance languages

Refer from Romance languages

Spanish literature
See also Authors, Spanish; Romance literature; Spanish poetry

Refer from Authors, Spanish; Romance literature; Spanish poetry

Spanish poetry
See also Poets, Spanish; Spanish literature

Refer from Poets, Spanish; Spanish literature

Spanish succession, War of, 1701–1714
See also Europe — History — 1492–1789; Queen Anne's war; Spain — History — 1700–

Refer from England — History — Stuarts; Europe — History — 1492–1789; France — History — Bourbons; Germany — History — 1517–1740; Spain — History — 1700–; War of the Spanish succession (s)

Sparring *see* Boxing

Sparrows
See also Birds

Refer from Birds

Spas *see* Health resorts

Speakers *see* Orators; Recitations and readings

Speaking *see* Elocution; Oratory; Preaching; Rhetoric; Speech; Voice

Spear throwers *see* Throwing sticks

Specie *see* Gold (as money); Money; Silver (as money)

Specie payment *see* Money — U. S.; Silver (as money)

Species
See also Evolution; Hybridization; Natural selection; Plant breeding; Variation (biology)

Refer from Biology; Evolution; Heredity; Natural selection; Origin of species (s); Transmutation of species (s); Variation (biology); Zoology

Specific gravity
See also Gravitation; Hydrometer; Weights and measures

Refer from Density (s); Gravitation; Hydrostatics; Matter; Weights and measures

Specifications (building) *see* Building — Contracts and specifications

Spectacles
See also Eye; Lenses

Refer from Eye; Eye-glasses (s); Optical instruments; Sight

Specters *see* Apparitions; Ghosts

Spectra
See also Light; Radioactivity; Spectroscope; Spectrum analysis

Refer from Absorption spectra (s); Astronomy; Light; Radiation; Solar spectrum (s); Spectrum (s); Spectrum analysis; Stars; Sun

Spectres *see* Apparitions; Ghosts

Spectroscope
See also Spectrum analysis

Refer from Astronomical instruments; Optical instruments; Spectra; Spectrum analysis

Spectroscopy *see* Spectrum analysis

Spectrum *see* Spectra; Spectrum analysis

Spectrum analysis
See also Spectra; Spectroscope

Refer from Analysis, Spectrum (s); Astronomy; Astrophysics; Chemistry; Light; Spectra; Spectroscope; Spectroscopy (s); Spectrum (s); Sun

Speculation
See also Credit; Investments; Panics; Stock exchange; Stocks; Wall street

Refer from Bucket shops (s); Commerce; Corners, Commercial (s); Economics; Finance; Investments; Panics; Stock exchange; Wall street

Speech
See also Animals — Language; Aphasia; Conversation; Deaf and dumb; Elocution; Language; Liberty of speech; Lip reading; Stammering; Voice

Refer from Language; Phonetics; Speaking (s); Voice

Speech of animals *see* Animals — Language

Speeches *see* After-dinner speeches; Orations; Oratory

Speed
See also Velocity

Refer from Aeronautics; Animal locomotion; Automobiles; High speed (s); Railroads; Velocity

Speleology *see* Caves
Spellers
See also Primers; Spelling

Refer from Spelling; Textbooks

Spelling
See also Spellers; Spelling, English; Spelling reform; Transliteration; *also* names of languages other than English, e.g. German language — Spelling

Refer from Language; Orthography (s); Phonetics; Spellers; Words

——**English**
See also Spelling reform

Refer from English language; English language — Orthography (s); English language — Spelling (s); English spelling (s); Spelling

Spelling reform

Refer from Phonetic spelling (s); Simplified spelling (s); Spelling; Spelling, English

Spherical astronomy *see* Astronomy, Spherical and practical
Spherical trigonometry *see* Trigonometry
Sphragistics *see* Seals (numismatics)
Sphygmograph

Refer from Blood; Diagnosis; Heart

Spices
See also Condiments; Essences and essential oils; *also* names of spices

Refer from Agricultural products; Agriculture — Tropics; Condiments

Spiders
See also Arachnida

Refer from Arachnida

Spies

Refer from Military art and science; Spying (s)

Spikes *see* Nails and spikes
Spinal meningitis *see* Meningitis
Spine
See also Meningitis; Nervous system; Skeleton

Refer from Backbone (s); Bones; Nervous system; Skeleton; Vertebral column (s)

Spinet *see* Piano
Spinning
See also Textile industry and fabrics; Yarn

Refer from Textile industry and fabrics; Yarn

Spinsters

Refer from Celibacy; Old maids (s); Women

Spiral gearing *see* Gearing
Spires
See also Church architecture; Towers

Refer from Architecture; Church architecture; Steeples (s); Towers

Spirit *see* Holy Spirit; Soul
Spiritism *see* Spiritualism
Spirits *see* Apparitions; Demonology; Ghosts; Spiritualism; Witchcraft
Spiritual life
See also Christian life and character; New thought; Sanctification

Refer from Christian life and character; Conduct of life; Ethics; Life; Personal religion (s); Religion; Religion, Personal (s); Religious experience (s); Soul

Spiritualism
See also Apparitions; Clairvoyance; Mind reading; Psychical research

Refer from Animism; Apparitions; Future life; Ghosts; Mediums (s); Miracles; Occult sciences; Philosophy; Psychical research; Religions; Slate writing (s); Spiritism (s); Spirits (s); Supernatural; Superstition; Table-moving (s); Theology

Spirituous liquors *see* Liquors
Splashes

Refer from Capillarity; Liquids; Viscosity

Splicing *see* Knots and splices
Spoils system *see* Civil service
Sponges
See also Invertebrates

Refer from Invertebrates; Marine zoology; Porifera (s)

Spontaneous combustion *see* Combustion

Spontaneous generation
See also Reproduction

Refer from Abiogenesis (s); Archegony (s); Biology; Generation, Spontaneous (s); Life — Origin; Reproduction

Sports
See also Acrobats; Aeronautics; Amusements; Aquatic sports; Archery; Athletics; Automobile racing; Betting; Boats and boating; Boxing; Bullfights; Camping; Canoes and canoeing; Coasting; College athletics; Coursing; Cycling; Driving; Falconry; Fencing; Fishing; Gambling; Games, and names of games; Gymnastics; Horse racing; Horsemanship; Hunting; Ice boats; Jiujitsu; Kites; Land yachts; Mountaineering; Olympic games; Outdoor life; Physical education; Roller-skating; Rowing; Running; Sailing; Shooting; Skating; Skees and skee-running; Swimming; Tobogganing; Tournaments; Track athletics; Training; Trapping; Walking; Winter sports; Wrestling; Yachts and yachting

Refer from Adventure; Amusements; Aquatic sports; Athletics; Country life; Field sports (s); Games; Hunting; Manly exercise (s); Outdoor life; Pastimes (s); Physical education; Play; Recreation (s); Shooting; Winter sports

Spraying
See also Bordeaux mixture; Fruit — Diseases and pests; Fungicides; Insecticides

Refer from Bordeaux mixture; Fruit — Diseases and pests; Fruit culture; Fungicides; Gardening; Insecticides; Insects, Injurious and beneficial; Plants — Diseases; Trees — Diseases and pests

Spring
See also Seasons

Refer from Seasons

Springs
See also Geysers and hot springs; Mineral waters; Sulphur springs; Water, Underground; Wells

Refer from Fountains; Geysers and hot springs; Physical geography; Water; Water, Underground; Wells

Spying *see* Spies
Squabs *see* Pigeons

Square (instrument)

Refer from Carpenters' square (s); Carpentry; Measuring instruments; Steel square (s); Tools

Squares, Magic, *see* Magic squares
Squaring of the circle *see* Circle-squaring
Stables *see* Barns and stables
Stacks (for books) *see* Shelving (for books)
Stage *see* Acting; Drama; Theater; Vaudeville
Stage-coaches *see* Coaches and coaching
Stage make-up *see* Make-up, Theatrical

Stained glass
See also Glass, Ornamental

Refer from Art; Decoration and ornament; Glass; Glass, Ornamental; Glass painting (s); Painted glass (s); Painting; Windows

Stains and staining
See also Graining; Wood finishing

Refer from Graining; Painting, Mechanical; Wood finishing; Woodwork

Stair building
See also Railings

Refer from Architecture; Building; Carpentry; Stairs (s); Stairways (s)

Stairs *see* Stair building
Stairways *see* Stair building

Stammering

Refer from Speech; Stuttering (s); Voice

Stamp act, 1765
See also U. S.— History — Revolution — Causes

Refer from Stamp duties; U. S.— History — Colonial period; U. S.— History — Revolution — Causes

Stamp duties
See also Stamp act, 1765

Refer from Commerce; Internal revenue (s); Taxation

Stamps *see* Postage stamps
Standard of living
See also Cost of living; Extravagance; Luxury; Thrift; Wages

Refer from Conduct of life; Cost of living; Economics; Ethics; Home economics; Labor and laboring classes; Life; Living, Standard of (s); Luxury; Poor; Prices; Thrift; Wages

Standard of value *see* Money; Value
Standard time *see* Time
Standards *see* Flags; Standards of length; Units; Weights and measures
Standards of length

Refer from Length, Standards of (s); Standards (s); Weights and measures

Standing army *see* Armies
Star atlases *see* Astronomy — Atlases
Stars
See also Asteroids; Astrology; Astronomy; Astronomy — Atlases; Astrophysics; Meteors; Milky way; Parallax; Planets; Planispheres; Spectra; Zodiac

Refer from Astronomy; Astrophysics; Constellations (s); Double stars (s); Sidereal system (s)

Starvation
See also Famines

Refer from Diet; Famines; Fasting

State, The, *see* Government
State and education *see* Education and state
State banks *see* Banks and banking — U. S.
State church *see* Church and state; Church of England — Establishment
State constitutions *see* Constitutions, State
State debts *see* Debts, Public
State ethics
See also Political ethics; Social ethics

Refer from Ethics; Ethics, National (s); Ethics, State (s); International law; International relations; National ethics (s); Social ethics

State fairs *see* Agricultural exhibitions
State governments
See also Constitutions, State; Local government; *also* names of states

Refer from Constitutions, State; Federal government; Government; States (U. S.)

State ownership *see* Government ownership
State publications *see* Government publications, and names of states, subhead Government publications
State regulation of industry *see* Government regulation of industry
State rights
See also Kentucky and Virginia resolutions, 1798; Nationalism, New; Nullification; Secession; States (U. S.)

Refer from Federal government; Government; Government regulation of industry; Nullification; Secession; Sovereignty; States (U. S.); States rights (s); U. S.— Constitution

State socialism *see* Socialism
State trials *see* Trials
States (U. S.)
See also Constitutions, State; State governments; State rights

Refer from State rights; U. S.— States (s)

States rights *see* State rights
Statesmanship *see* Diplomacy; Government
Statesmen
See also Diplomats; Governors; Ministers of state; Prime ministers; Senators

Refer from Biography; Government

Static electricity *see* Electrostatics
Statics
See also Dynamics; Elasticity; Electrostatics; Graphic statics; Hydrostatics; Mechanics

Refer from Dynamics; Engineering; Equilibrium (s); Mechanics; Physics

Stationery
See also Ink; Paper
Refer from Manufactures; Paper

Stations, Railroad, *see* Railroads — Stations

Statistics
See also Almanacs; Census; Church statistics; Population; Probabilities; Tabulating machines; Vital statistics; Yearbooks. For statistics of a special subject, country or place *see* its name
Refer from Census; Commerce; Economics; Government; History; Population; Sociology

Statues
See also Monuments; Plaster casts; Sculpture
Refer from Iconography (s); Monuments; Plaster casts; Sculpture

Statute of limitations *see* Limitations (law)
Statutes *see* names of countries and states
Staves *see* Cooperage
Stealing *see* Embezzlement; Larceny

Steam
See also Boilers; Condensers (steam); Steam engines; Steam heating; Steam launches; Steam navigation; Steam pipes; Steam turbines; Steamboats; Thermodynamics
Refer from Boilers; Heat; Physics; Power; Steam engines; Thermodynamics; Vapor (s); Water

Steam boilers *see* Boilers; Steam engines

Steam engines
See also Boilers; Calorimeters and calorimetry; Condensers (steam); Fire engines; Heat; Indicators for steam engines; Injectors; Link motion; Locomotives; Marine engines; Power plants, Steam; Railroads; Safety valves; Steam; Steam navigation; Steam turbines; Steamboats; Traction engines; Valves and valve gears
Refer from Boilers; Condensers (steam); Engineering; Engines; Heat engines; Indicators for steam engines; Locomotives; Machinery; Marine engines; Mechanical engineering; Mechanics; Motors; Power plants, Steam; Railroads; Safety valves; Steam; Steam boilers (s); Steam navigation; Thermodynamics; Valves and valve gears

Steam fitting *see* Pipe fitting; Steam pipes

Steam heating
See also Heating; Hot water heating; Steam pipes
Refer from Heating; Steam; Steam pipes

Steam injectors *see* Injectors

Steam launches
Refer from Boats and boating; Launches (s); Steam; Steamboats

Steam navigation
See also Boilers, Marine; Marine engineering; Marine engines; Navigation; Steam engines; Steam turbines; Steamboats
Refer from Commerce; Inland navigation; Marine engineering; Navigation; Ships; Steam; Steam engines; Steamboats; Transportation

Steam pipes
See also Pipe fitting; Steam heating
Refer from Pipe; Pipe fitting; Pipes (s); Steam; Steam fitting (s); Steam heating

Steam plants *see* Power plants, Steam
Steam power plants *see* Power plants, Steam
Steam pumps *see* Pumps

Steam turbines
Refer from Marine engineering; Marine engines; Steam; Steam engines; Steam navigation; Turbines

Steam yachts *see* Yachts and yachting

Steamboat inspection
Refer from Inspection of steamboats (s); Maritime law; Steamboats

Steamboats
See also Boilers, Marine; Bulkheads; Fire boats; Marine engines; Ocean travel; Propellers; Shipbuilding; Shipping; Steam launches; Steam navigation; Steamboat inspection; Steerage; Warships; Yachts and yachting
Refer from Navigation; Ocean travel; Propellers; Shipbuilding; Shipping; Ships; Steam; Steam engines; Steam navigation; Steamers (s); Steamships (s); Transportation; Vessels (s)

Steamers *see* Steamboats
Steamships *see* Steamboats

Steel
See also Annealing; Armor plate; Bessemer process; Corrosion and anti-corrosives; Foundry work; Iron; Metallography; Metals; Nickel steel; Rails; Steel construction; Steel industry; Tool steel; Tubes

Refer from Annealing; Bessemer process; Building materials; Iron; Metallography; Metals

Steel construction
See also Bridges; Building; Concrete, Reinforced; Concrete construction; Corrosion and anti-corrosives; Girders; Graphic statics; High buildings; Roofs; Strains and stresses; Strength of materials

Refer from Architecture; Building; Civil engineering; Fireproof construction; Girders; Graphic statics; High buildings; Roofs; Steel

Steel engraving *see* Engraving

Steel industry
See also Iron industry; Rolling mills

Refer from Iron industry; Manufactures; Rolling mills; Steel; Steel works (s)

Steel rails *see* Rails
Steel square *see* Square (instrument)
Steel ties *see* Railroads — Ties
Steel works *see* Steel industry
Steeplechasing *see* Horse racing
Steeples *see* Spires

Steerage

Refer from Ocean travel; Steamboats

Stellar parallax *see* Parallax

Stencil work

Refer from Arts and crafts; Decoration and ornament; Design, Decorative; Frescoes; Painting; Stencilling (s)

Stencilling *see* Stencil work
Stenography *see* Shorthand

Steppes

Refer from Physical geography; Plains

Stereochemistry
See also Atoms; Chemistry, Physical; Isomerism

Refer from Atoms; Chemistry; Chemistry, Physical; Isomerism; Molecules; Polarization (light); Sugar

Stereography *see* Geometry

Stereopticon
See also Lantern slides

Refer from Lantern slides; Magic lantern (s); Optical instruments; Photography

Stereoscope

Refer from Optical instruments

Stereotomy
See also Stonecutting

Refer from Geometry, Descriptive; Masonry; Stonecutting

Stereotyping
See also Electrotyping; Printing

Refer from Electrotyping; Printing

Stimulants
See also Alcohol; Beverages; Coffee; Liquors; Tea; Temperance

Refer from Beverages; Diet; Drugs; Food; Hygiene; Intoxicants (s); Medicine; Temperance; Therapeutics

Stipple engraving
See also Engraving

Refer from Engraving; Etching

Stitches *see* Embroidery; Needlework
Stock breeding *see* Breeding; Live stock
Stock companies *see* Corporations; Joint-stock companies

Stock exchange
See also Banks and banking; Brokers and factors; Money; Panics; Speculation; Stocks; Wall street

Refer from Arbitrage (s); Banks and banking; Brokers and factors; Business; Commerce; Corners, Commercial (s); Economics; Exchange; Finance; Money; Speculation; Stocks; Wall street

Stock farming *see* Live stock
Stock raising *see* Live stock
Stockings *see* Hosiery

Stocks
See also Bonds; Corporations; Investments; Joint-stock companies; Securities; Stock exchange; Wall street

Refer from Banks and banking; Bonds; Commerce; Corporations; Dividends (s); Economics; Exchange; Finance; Investments; Joint-stock companies; Negotiable instruments; Securities; Speculation; Stock exchange

Stoics
See also Philosophy, Greek

Refer from Ethics; Materialism; Philosophy; Philosophy, Greek

Stomach
See also Digestion; Digestive system

Refer from Abdomen; Digestion; Digestive system

Stone
See also Blasting; Building stones; Granite; Marble; Masonry; Precious stones; Quarries and quarrying; Rocks; Sandstone; Stone age; Stone implements; Stonecutting

Refer from Building materials; Building stones; Geology; Geology, Economic; Masonry; Mineralogy; Quarries and quarrying; Rocks; Stones (s)

——Artificial
See also Concrete

Refer from Artificial stone (s); Building materials; Concrete

——Philosopher's, *see* Philosopher's stone

Stone age
See also Archaeology; Man — Origin and antiquity; Picts; Stone implements

Refer from Archaeology; Eolithic period (s); Man — Origin and antiquity; Neolithic period (s); Paleolithic period (s); Stone; Stone implements

Stone-cutting *see* Stonecutting

Stone implements
See also Indians — Implements and weapons; Industries, Primitive; Stone age

Refer from Archaeology; Flint implements (s); Implements, utensils, etc.; Indians — Implements and weapons; Industries, Primitive; Stone; Stone age; Tools

Stone quarries *see* Quarries and quarrying

Stonecutting
See also Building stones; Sculpture; Stereotomy

Refer from Building stones; Masonry; Stereotomy; Stone; Stone-cutting (s)

Stones *see* Stone; Building stones; Precious stones

Stoneware *see* Pottery

Storage batteries
See also Electric batteries

Refer from Accumulators (s); Batteries (electric) (s); Electric batteries; Secondary batteries (s)

Stores *see* Business; Department stores

Stories *see* Children's literature; Fairy tales; Fiction; Kindergarten — Stories; Legends; Romances; Short stories; Story-telling

Storms
See also Cyclones; Hail; Hurricanes; Insurance, Casualty; Meteorology; Rain; Snow; Thunderstorms; Tornadoes; Winds

Refer from Blizzards (s); Cyclones; Disasters; Gales (s); Hurricanes; Meteorology; Thunderstorms; Tornadoes; Weather; Whirlwinds (s); Winds

Story-telling

Refer from Kindergarten; Stories (s); Teaching

Stoves
See also Aladdin oven; Fireless cookers; Heating; Ovens

Refer from Heating; Iron industry; Ovens

Strains and stresses
See also Arches; Bridges; Building; Elasticity; Girders; Graphic statics; Mechanics, Applied; Roofs; Strength of materials; Trusses

Refer from Architecture; Arches; Bridges; Building; Elasticity; Girders; Graphic statics; Mechanics, Applied; Roofs; Steel construction; Strength of materials; Stresses (s); Trusses

Strategy *see* Military art and science; Naval art and science

Stratigraphy *see* Geology, Stratigraphic

Strawberries
See also Berries

Refer from Berries

Streams *see* Rivers
Street cars *see* Cars; Street railroads
Street cleaning
See also Refuse and refuse disposal

Refer from Cities; Cleaning; Hygiene, Public; Municipal engineering; Refuse and refuse disposal; Roads; Sanitary engineering; Streets; Sweeping

Street cries
See also Peddlers and peddling

Refer from Advertising; Cities; Cries (s); Peddlers and peddling

Street lighting *see* Lighting
Street railroads
See also Cable railroads; Electric railroads; Elevated railroads; Rapid transit; Subways; Suspended railways; *also* names of cities, subhead Street railroads

Refer from Electric railroads; Horse railroads (s); Public service corporations; Railroads; Rapid transit; Roads; Street cars (s); Tramways (s); Transportation

Streets
See also Asphalt; Pavements; Roads; Sidewalks; Street cleaning; *also* names of cities, subhead Streets

Refer from Cities; Civil engineering; Highways (s); Municipal engineering; Municipal improvement; Pavements; Roads; Thoroughfares (s)

Strength of materials
See also Architecture; Building; Building materials; Elasticity; Girders; Graphic statics; Masonry; Strains and stresses; Trusses; *also* names of materials

Refer from Architecture; Building; Building materials; Civil engineering; Columns; Elasticity; Engineering; Graphic statics; Masonry; Materials, Strength of (s); Mechanics; Metals; Resistance of materials (s); Steel construction; Strains and stresses; Testing (s); Timber; Trusses

Stresses *see* Strains and stresses
Strikes and lockouts
See also Arbitration and conciliation, Industrial; Blacklisting; Boycott; Labor and laboring classes; Labor unions; Open and closed shop; Riots; *also* special strikes, e.g. Anthracite coal strike, 1902

Refer from Arbitration and conciliation, Industrial; Boycott; Economics; Labor and capital; Labor and laboring classes; Labor unions; Lockouts (s); Riots

String figures

Refer from Amusements; Cat's cradle (s); Games

Stringed instruments
See also Guitar; Harp; Harpsichord; Musical instruments; Piano; Violin; Violoncello

Refer from Bow (music) (s); Bowed instruments (s); Guitar; Harp; Musical instruments; Orchestras; Violin; Violoncello

Structural botany *see* Botany, Structural
Stucco
See also Cement; Gesso; Plaster and plastering

Refer from Building materials; Cement; Decoration and ornament; Mural painting and decoration; Plaster and plastering

Student life
See also Class day; College athletics; College stories; Colleges and universities; Fraternities, College; Hazing; School stories; Students

Refer from College life (s); College students (s); Colleges and universities; Hazing; School life (s); Students

Student self-government *see* Self-government (in education)
Student songs *see* College songs
Student volunteer movement

Refer from Colleges and universities; Missionaries; Missions; Missions, Foreign; Students

Students
See also Colleges and universities; Education; Student life; Student volunteer movement; Students' periodicals

Refer from College students (s); Colleges and universities; Education; Literary men (s); Student life

Students' periodicals
See also Amateur journalism

Refer from Amateur journalism; College periodicals (s); Colleges and universities; Journalism; Periodicals; Students

Study
See also Education; Research; Scholars; Scientific research; Self-culture; Seminary method; Study clubs; *also* subhead Study and teaching under various subjects

Refer from Education; School children; Self-culture; Teaching

Study clubs
See also Literary societies

Refer from Clubs; Courses of study (s); Literary societies; Self-culture; Study; Women's clubs

Stuttering *see* Stammering
Style (in dress) *see* Costume; Fashion
Style, Literary, *see* Rhetoric

Subconsciousness
See also Faith cure; Hypnotism; Personality; Sleep

Refer from Consciousness; Habit; Hypnotism; Mind and body; Psychical research; Psychology; Sleep; Suggestion

Sublime
See also Esthetics

Refer from Esthetics

Submarine boats
See also Submarine warfare; Torpedo boats

Refer from Boats and boating; Naval art and science; Navigation; Shipbuilding; Ships; Submarine navigation (s); Submarine warfare; Torpedo boats; Warships

Submarine cables *see* Cables, Submarine
Submarine mines *see* Mines, Submarine
Submarine navigation *see* Submarine boats
Submarine telegraph *see* Cables, Submarine

Submarine warfare
See also Mines, Submarine; Submarine boats; Torpedo boats; Torpedoes

Refer from Naval art and science; Submarine boats

Subsidies
See also Bounties

Refer from Bounties; Commerce; Ship subsidies (s); Shipping; Shipping subsidies (s); Transportation

Subsoiling *see* Tillage
Subterranean water *see* Water, Underground
Suburban houses *see* Architecture, Domestic; Country houses

Subways
See also Rapid transit; Tunnels

Refer from Civil engineering; Engineering; Railroads; Railroads, Underground (s); Rapid transit; Street railroads; Tunnels; Underground roads (s)

Success
See also Ambition; Business; Conduct of life; Fame; Leadership; Occupations; Opportunity; Popularity; Profession, Choice of; Thrift

Refer from Business; Commerce; Conduct of life; Ethics; Fortune (s); Luck (s); Opportunity; Self-help (s); Self-made men (s); Wealth; Young men

Succession *see* Inheritance

Suffering
See also Affliction; Consolation; Pain

Refer from Pain

Suffrage
See also Ballot; Citizenship; Election laws; Elections; Naturalization; Negro suffrage; Representative government and representation; Woman suffrage

Refer from Ballot; Constitutional law; Democracy; Disfranchisement (s); Election laws; Elections; Elective franchise (s); Franchise (s); Government; Politics; Representative government and representation; Universal suffrage (s); Voting (s)

Suffragettes *see* Woman suffrage
Sufiism *see* Sufism

Sufism
See also Mohammedanism

Refer from Mohammedanism; Mysticism; Sufiism (s)

Sugar
See also Beets and beet sugar; Chemistry, Technical; Confectionery; Glucose; Molasses; Sorghum; Stereochemistry; Syrups

Refer from Agricultural products; Agriculture — Tropics; Beets and beet sugar; Chemistry, Technical; Food; Sorghum

Sugar beet *see* Beets and beet sugar

Suggestion
See also Animal magnetism; Hypnotism; Mental healing; Mental hygiene; New thought; Subconsciousness; Suggestive therapeutics; Thought transference

Suggestive therapeutics
See also Christian science; Emmanuel movement; Faith cure; Hypnotism; Mental healing

Suicide
Refer from Animal magnetism; Autosuggestion (s); Hypnotism; Mental suggestion (s); Mind and body; Psychical research; Psychology

Suits at law *see* Actions at law

Sullivan's expedition, 1779
See also U. S.— History — Revolution
Refer from Faith cure; Hypnotism; Mental healing; Psychotherapy (s); Suggestion; Therapeutics
Refer from Crime and criminals; Death; Ethics; Insanity; Medical jurisprudence; Mental diseases; Murder

Sulphur
See also Geology, Economic; Sulphur springs
Refer from Iroquois Indians; U. S.— History — Revolution — Campaigns and battles

Sulphur springs
See also Mineral waters
Refer from Chemical elements; Geology, Economic; Mines and mineral resources

Summer
See also Seasons
Refer from Mineral waters; Springs; Sulphur

Summer cottages *see* Cottages; *also* Architecture, Domestic; Country houses

Summer resorts
See also Health resorts
Refer from Seasons

Summer schools
See also Teachers' institutes; Vacation schools
Refer from Health resorts; Resorts (s); Vacations; Watering places (s)

Sumptuary laws
Refer from Education; Schools; Vacation schools
Refer from Clothing; Economics; Extravagance; Law; Luxury

Sun
See also Astronomy; Astrophysics; Eclipses; Parallax; Solar motors; Solar system; Spectra; Spectrum analysis; Sun spots
Refer from Astronomy; Astrophysics; Eclipses; Heat; Light; Solar heat (s); Solar physics (s); Solar system

Sun dance
See also Indians — Dances
Refer from Indians — Dances; Sun worship

Sun-dials *see* Sundials

Sun spots
Refer from Meteorology; Sun

Sun worship
See also Sun dance
Refer from Nature worship; Worship

Sunday
See also Church attendance
Refer from Church work; Church polity; Ethics; Fasts and feasts; Religion; Sabbath (s); Theology

Sunday school entertainments
See also Christmas entertainments; Church entertainments
Refer from Church entertainments; Entertainments; Sunday schools

Sunday school lessons
See also Bible — Question books; Bible — Study and teaching
Refer from Bible — Study and teaching; Sunday schools

Sunday school libraries
Refer from Children's literature; Libraries; Libraries, Sunday school (s); Sunday schools

Sunday schools
See also Bible — Study and teaching; Religious education; Sunday school entertainments; Sunday school lessons; Sunday school libraries
Refer from Bible — Study and teaching; Bible classes (s); Children; Church work; Education; Religious education; Schools

Sundials
Refer from Archaeology; Dialing (s); Dials (s); Gnomonics (s); Sun-dials (s); Timekeepers

Sunstroke *see* Heatstroke

Superintendents, School, *see* School superintendents and principals

Supernatural
See also Apparitions; Inspiration; Miracles; Psychical research; Religion; Spiritualism; Superstition; Theology

Refer from Miracles; Philosophy; Religion; Superstition

Superstition
See also Alchemy; Amulets; Apparitions; Astrology; Charms; Demonology; Devil; Divination; Dreams; Evil eye; Fairies; Fetishism; Folklore; Fortune telling; Ghosts; Halloween; Legends; Magic; Mythology; Occult sciences; Omens; Oracles; Palmistry; Relics; Religions; Second sight; Spiritualism; Supernatural; Totems and totemism; Vampires; Voodooism; Weather lore; Werwolves; Witchcraft

Refer from Delusions (s); Demonology; Divination; Errors, Popular; Evil eye; Folklore; Ghosts; Idolatry; Mythology; Religion; Supernatural; Witchcraft

Supply and demand
See also Competition; Consumption (economics); Economics; Exchange; Prices; Value

Refer from Competition; Consumption (economics); Demand and supply (s); Economics; Exchange; Law of supply and demand (s); Prices; Tariff question; Value

Suppuration
See also Abscess; Inflammation; Ulcers

Refer from Abscess; Inflammation; Pathology; Pus (s); Ulcers

Supremacy of the pope *see* Popes — Authority and supremacy

Sureties *see* Guaranties and sureties

Surfaces

Refer from Curved surfaces (s); Geometry; Geometry, Analytic

Surgeons *see* Physicians and surgeons

Surgery
See also Accidents; Amputation; Anatomy; Anesthetics; Antiseptics; Appendicitis; Autopsy; Bandages and bandaging; Bloodletting; Bones; Deformities; Dentistry; Diagnosis; Dislocations; Dissection; First aid in illness and injury; Fractures; Medicine; Physicians and surgeons; Skin grafting; Surgery, Military; Surgery, Naval; Surgical instruments; Trephining; Tumors; Vivisection; Wounds

Refer from Accidents; Amputation; Anatomy; Bandages and bandaging; Dislocations; Fractures; Medicine; Medicine — Practice; Operations, Surgical (s); Wounds

——Military
See also Ambulances; Battlefield relief; First aid in illness and injury; Surgery, Naval; Wounds

Refer from Battlefield relief; Medicine, Military; Military hygiene; Military surgery (s); Surgery

——Naval
See also Wounds

Refer from Naval surgery (s); Surgery; Surgery, Military

Surgical instruments

Refer from Instruments; Surgery

Surnames *see* Names, Personal

Surrogate law *see* Probate law and practice

Surveying
See also Altitudes; Civil engineering; Engineering; Geodesy; Geography, Mathematical; Hydrography; Logarithms; Mine surveying; Photographic surveying; Railroad engineering; Surveying instruments; Topographical drawing; Traverse tables; Trigonometry

Refer from Civil engineering; Engineering; Geodetic surveying (s); Geodesy; Geography; Geography, Mathematical; Land; Land surveying (s); Leveling (s); Logarithms; Mathematics; Mensuration; Railroad engineering; Railroads; Topographical surveying (s); Topography (s); Traverse tables; Triangulation (s); Trigonometry

Surveying instruments
See also Barometer; Compass; Micrometer; Planimeter; Sextant; Transit (instrument)

Refer from Instruments; Mathematical instruments; Sextant; Surveying; Transit (instrument)

Surveys *see* Geological surveys; Soil surveys; *also* names of countries and states, subhead Surveys

Survival of the fittest *see* Natural selection

Survivorship

Refer from Inheritance; Law; Medical jurisprudence

Suspended animation
See also Burial, Premature; Drowning

Refer from Animation, Suspended (s); Death, Apparent (s); Drowning; Medicine — Practice

Suspended railways
See also Cableways; Telpherage

Refer from Cableways; Electric railroads; Monorailways (s); Mountain railroads; Railroads; Railroads — Single rail; Railroads, Suspended (s); Street railroads

Suspended sentence *see* Probation system

Suspension bridges *see* Bridges

Svastika *see* Swastika

Swamps *see* Marshes

Swastika

Refer from Charms; Cross; Fylfot (s); Svastika (s); Symbolism

Swearing
See also Oaths

Refer from Ethics; Oaths; Profanity (s)

Sweating system
See also Child labor; Consumers' leagues; Home labor; Women — Employment

Refer from Child labor; Clothing; Consumers' leagues; Home labor; Hours of labor; Labor and laboring classes; Manufactures; Poor; Wages; Women — Employment

Swedenborgianism *see* New Jerusalem church

Swedes in the U. S.
See also Scandinavians in the U. S.

Refer from Scandinavians in the U. S.; U. S. — Foreign population

Swedish language
See also Scandinavian languages

Refer from Germanic languages; Scandinavian languages

Swedish literature
See also Authors, Swedish; Scandinavian literature

Refer from Authors, Swedish; Scandinavian literature

Swedish movement cure
See also Gymnastics, Medical; Mechanotherapy

Refer from Gymnastics, Medical; Massage; Mechanotherapy; Movement cure (s); Therapeutics

Sweeping
See also Brooms and brushes; Chimney sweeping; Street cleaning; Vacuum cleaning systems

Refer from Carpets; Cleaning; Floors; Home economics; House cleaning

Swimming
See also Aquatic sports; Baths and bathing; Diving

Refer from Animal locomotion; Aquatic sports; Athletics; Baths and bathing; Diving; Drowning; Sports; Water

Swindlers and swindling
See also Antiques, Forged; Art forgeries; Fraud; Quacks and quackery

Refer from Crime and criminals; Delusions (s); Fraud; Humbug (s); Imposture; Quacks and quackery

Swine
See also Feeding and feeding stuffs; Live stock; Ungulata; Veterinary medicine

Refer from Domestic animals; Hog (s); Hogs (s); Live stock; Pig (s); Pigs (s); Ungulata; Veterinary medicine

Switchboards

Refer from Dynamos; Electric apparatus and appliances; Electric lighting; Electric switchboards (s); Electricity — Distribution; Telephone

Switches, Railroad, *see* Railroads — Switches

Swords
See also Arms and armor; Fencing

Refer from Arms and armor; Broadsword (s); Fencing; Saber (s); Sabre (s); Weapons (s)

Syllogisms *see* Logic
Symbolics *see* Creeds
Symbolism
See also Christian art and symbolism; Cross; Devices; Emblems; Scarabs; Swastika; Symbolism in literature
Symbolism (theology) *see* Creeds
Symbolism in literature

Refer from Art; Cross; Devices; Emblems; Religion

Refer from French literature; Idealism in literature; Literature; Symbolism

Symmetry
See also Esthetics; Proportion (art)

Refer from Esthetics; Proportion (art)

Sympathy
See also Emotions; Friendship

Refer from Compassion (s); Emotions; Ethics; Friendship

Symphonies
See also Orchestral music

Refer from Instrumental music; Music; Music — Scores; Orchestral music

Symptoms *see* Diagnosis
Synods *see* Councils and synods
Synonyms and antonyms
See also Synonyms and antonyms, English; *also* names of languages other than English

Refer from Antonyms (s); Language; Words

——English

Refer from Dictionaries, English; English language; English language — Synonyms (s); English synonyms (s); Synonyms and antonyms

Synoptic Gospels *see* Bible — New Testament — Gospels
Syntax *see* Grammar
Syrups
See also Molasses

Refer from Sirups (s); Sugar

Table
See also Breakfasts; Carving (meat, etc.); Catering; Cookery; Dinners and dining; Eating; Food; Luncheons; Menus; Waiters

Refer from Catering; Cookery; Dinners and dining; Eating; Food; Home economics; Meals (s); Menus

Table-moving *see* Spiritualism
Table-talk
See also Anecdotes

Refer from Anecdotes; Aphorisms (s); Apothegms (s); Biography; Conversation; Epigrams; Humor; Sayings (s); Talking (s)

Table tennis *see* Ping-pong
Tableaux
See also Amateur theatricals

Refer from Amateur theatricals; Amusements; Drama; Entertainments

Tables, Interest, *see* Interest tables
Tables, Mathematical, *see* Mathematics — Tables, etc.; Logarithms
Tabulating machines

Refer from Calculating machines; Census; Machinery; Statistics

Tachygraphy *see* Shorthand
Tactics
See also Artillery drill and tactics; Cavalry drill and tactics; Drill (military); Infantry drill and tactics; Military art and science; Military maneuvers; Naval tactics; War games

Refer from Artillery drill and tactics; Cavalry drill and tactics; Drill (military); Infantry drill and tactics; Military art and science; Military maneuvers; Military tactics (s)

Taeping rebellion *see* Taiping rebellion
Tailoring
See also Dressmaking; Tailors

Refer from Clothing; Cutting (s); Dressmaking; Fashion; Garment cutting; Needlework

Tailors

Refer from Biography; Tailoring

Taiping rebellion
See also China — History

Refer from China — History; Taeping rebellion (s)

Taj Mahal

Refer from Architecture, Oriental; Tombs

Takigraphy *see* Shorthand

Talent
See also Ability; Genius
Refer from Ability; Genius; Intellect

Talismans *see* Amulets; Charms

Talking *see* Conversation; Table-talk

Talking machines *see* Phonograph

Tall buildings *see* High buildings

Talmud
Refer from Bible — Old Testament; Hebrew literature; Jewish literature; Jews — Religion; Sacred books

Tambourine drill *see* Drills and marches

Tamil language and literature
See also Dravidian languages; Oriental literature
Refer from Dravidian languages; Oriental languages; Oriental literature; Tamul language and literature (s)

Tammany Hall
See also New York (city) — Government and politics
Refer from Democratic party; New York (city) — Government and politics

Tamul language and literature *see* Tamil language and literature

Tanning
See also Hides and skins; Leather
Refer from Hides and skins; Industrial arts; Leather

Taoism
See also China — Religion; Philosophy, Chinese
Refer from China — Religion; Confucianism; Philosophy; Philosophy, Chinese; Religions; Taouism (s)

Taouism *see* Taoism

Tapestry
See also Bayeux tapestry; Drapery; Gobelin tapestry
Refer from Arts and crafts; Decoration and ornament; Drapery; House decoration; Mural painting and decoration; Needlework; Textile design; Textile industry and fabrics; Wall paper

Target practice
See also Gunnery; Rifle practice
Refer from Artillery drill and tactics; Firearms; Gunnery; Infantry drill and tactics; Military art and science; Naval art and science; Rifle practice; Shooting

Tariff
See also Balance of trade; Commerce; Commercial treaties; Corn laws; Drawbacks; Economics; Reciprocity; Smuggling; Tariff question; Taxation; Warehouses
Refer from Balance of trade; Commerce; Commercial treaties; Customs (s); Duties (s); Economics; Exportation (s); Exports (s); Finance; Imports (s); Revenue (s); Taxation; Trade (s)

——U. S.
See also U. S. — Revenue
Refer from Taxation — U. S.; U. S. — Commerce; U. S. — Economic conditions; U. S. — Finance; U. S. — Politics; U. S. — Revenue; U. S. — Tariff (s)

Tariff question
See also Balance of trade; Economics; Reciprocity; Supply and demand
Refer from Balance of trade; Campaign literature; Commerce; Economics; Free trade (s); Protection (s); Reciprocity; Tariff; U. S. — Politics

——Free Trade

——Protection

Tartans
See also Clans
Refer from Clans; Costume — Scotland; Highlands of Scotland; Plaids (s); Scotch plaids (s)

Tartars
See also China — History; Manchuria; Mongols
Refer from China — History; Manchuria; Mongols; Tatars (s)

Taste (esthetics) *see* Esthetics

Taste (sense)
See also Senses and sensation
Refer from Senses and sensation

Tatars *see* Tartars

Tattooing

Refer from Ethnology; Manners and customs

Taverns *see* Hotels; Inns

Taxation

See also Absenteeism; Appraising; Corporations — Taxation; Danegeld; Economics; Finance; Income tax; Inheritance and transfer tax; Internal revenue laws; Municipal finance; Poll tax; Railroads — Taxation; Scutage; Single tax; Stamp duties; Tariff; Taxation, Progressive; Tithes; Tobacco — Taxation; Unearned increment

Refer from Appraising; Assessment (s); Direct taxation (s); Economics; Finance; Government; Income tax; Inheritance and transfer tax; Internal revenue (s); Land; Land tenure; Personal property; Property; Real estate; Revenue (s); Tariff

——**Exemption from**

See also Church property

Refer from Church and state; Church finance; Church property; Colleges and universities; Exemption from taxation (s); Libraries; Private schools

——**Progressive**

See also Income tax; Inheritance and transfer tax

Refer from Graduated taxation (s); Income tax; Inheritance and transfer tax; Progressive taxation (s); Proportional taxation (s); Taxation

——**U. S.**

See also Boston tea party, 1773; Tariff — U. S.; U. S. — Revenue

Refer from U. S. — Economic conditions; U. S. — Finance; U. S. — Revenue; U. S. — Taxation (s)

Taxidermy

Refer from Animals; Birds; Natural history; Zoology

Tea

See also Beverages; Boston tea party, 1773

Refer from Agricultural products; Agriculture — Tropics; Beverages; Stimulants

Teachers

See also Education; Educational associations; Educators; Normal schools; School superintendents and principals; Teachers' institutes; Teaching

Refer from Biography; Education; Educators; Public schools; Schoolmasters (s); Teaching

——Certificates, *see* Teachers — Examinations and certificates

——**Examinations and certificates**

Refer from Certificates, Teachers' (s); Examinations; Teachers — Certificates (s); Teachers' certificates (s); Teachers' examinations (s)

——Pensions, *see* Teachers — Salaries, pensions, etc.

——**Salaries, pensions, etc.**

Refer from Civil service pensions; Pensions; Salaries; Teachers — Pensions (s); Teachers' pensions (s); Teachers' salaries (s)

——**Training**

See also Normal schools; Teachers' institutes

Refer from Normal schools; Teachers' institutes; Teaching

Teachers' certificates *see* Teachers — Examinations and certificates

Teachers' examinations *see* Teachers — Examinations and certificates

Teachers' institutes

See also Teachers — Training

Refer from Institutes, Teachers' (s); Summer schools; Teachers; Teachers — Training; Teaching

Teachers' pensions *see* Teachers — Salaries, pensions, etc.

Teachers' salaries *see* Teachers — Salaries, pensions, etc.

Teaching

See also Busy work; Child study; Corporal punishment; Curriculum; Education; Ex-

Refer from Didactics (s); Education; Instruction (s); Pedagogy (s); Professions;

Teaching — Continued
aminations; Kindergarten; Memory; Nature study; Object teaching; Psychology, Educational; Quincy system; School grading and promotions; School management; Seminary method; Story-telling; Study; Teachers; Teachers — Training; Teachers' institutes; *also* subhead Study and teaching under various subjects

——Departmental system — *Refer from* Departmental system of teaching (s)

Technical chemistry *see* Chemistry, Technical

Technical dictionaries — *Refer from* Dictionaries; Industrial arts; Technology

Technical education
See also Apprentices; Correspondence schools and courses; Foremen's schools; Forestry schools and education; Industrial education; Manual training; Mechanics' institutes; Mining schools and education; Professional education; Trade schools; Vocational education; *also* subhead Study and teaching under various subjects, e.g. Engineering — Study and teaching — *Refer from* Education; Education, Higher (s); Education, Technical (s); Higher education (s); Industrial arts; Industrial education; Manual training; Polytechnic schools (s); Professional education; Science — Study and teaching; Technology; Vocational education

Technology
See also Chemistry, Technical; Engineering; Industrial arts, and references under that subject; Manufactures; Metallurgy; Photography; Technical dictionaries; Technical education — *Refer from* Applied science (s); Industrial arts; Manufactures; Science

Teeth
See also Dentistry — *Refer from* Anatomy; Beauty, Personal; Dentistry; Digestive system; Mouth; Odontology (s)

Teetotalism *see* Temperance

Telautograph — *Refer from* Electric engineering; Telegraph

Telegraph
See also Cables, Submarine; Electric wire and wiring; Poles; Postal telegraph; Telautograph; Telegraph codes; Telephotography; Train despatching; Wireless telegraphy — *Refer from* Ciphers; Communication; Electric engineering; Electric telegraph (s); Electricity; Public service corporations; Signals; Telegraphy (s)

——Postal, *see* Postal telegraph
——Submarine, *see* Cables, Submarine
——Wireless, *see* Wireless telegraphy

Telegraph codes — *Refer from* Cable codes (s); Cipher codes (s); Ciphers; Codes, Telegraphic (s); Commerce; Communication; Telegraph; Telegraphic codes (s)

Telegraph poles *see* Poles
Telegraphic codes *see* Telegraph codes
Telegraphy *see* Telegraph

Teleology
See also Creation; Evolution; God; Metaphysics; Natural religion — *Refer from* Causation; Creation; Design, Argument for (s); Evolution; Final cause (s); God; Metaphysics; Philosophy; Theology; Universe

Telepathy *see* Mind reading; Thought transference

Telephone
See also Electric wire and wiring; Microphone; Poles; Switchboards; Telephonograph — *Refer from* Communication; Electric engineering; Electricity; Public service corporations; Sound; Telephony (s)

——Wireless — *Refer from* Wireless telephony (s)

Telephone poles *see* Poles

Telephonograph — *Refer from* Phonograph; Telephone

Telephony *see* Telephone

Telephotography	*Refer from* Photography; Telegraph
Telescope *See also* Astronomical instruments	*Refer from* Astronomical instruments; Optical instruments; Reflecting telescope (s)
Telpherage *See also* Cableways; Conveying machinery	*Refer from* Cableways; Conveying machinery; Electricity; Suspended railways; Transportation
Temperament *See also* Character; Melancholy; Nervous system	*Refer from* Character; Nervous system; Pathology; Psychology
Temperance *See also* Alcohol; Alcohol — Physiological effects; Alcoholism; Beverages; Canteens (army); Drinking customs; Liquor laws; Liquor problem; Liquor traffic; Liquors, and names of liquors; Local option; Narcotic habit; Opium; Prohibition; Smoking; Stimulants; Tobacco	*Refer from* Abstinence (s); Alcohol; Alcoholism; Beverages; Conduct of life; Drinking customs; Drunkenness (s); Ethics; Food; Hygiene; Inebriates (s); Intemperance (s); Intoxication (s); Liquor problem; Liquor traffic; Liquors; Prohibition; Saloons (s); Sociology; Stimulants; Teetotalism (s); Total abstinence (s); Wine
Temperature *See also* Animal heat; Boiling points; Climate; Cold; Earth — Temperature; Heat; Melting points; Meteorology; Plants, Effect of temperature on	*Refer from* Climate; Cold; Heat; Meteorology
Templars *See also* Chivalry. For the modern order *see* Freemasons — Templars	*Refer from* Chivalry; Freemasons — Templars; Knights and knighthood; Knights templars (military order) (s); Order of the temple (s); Religious orders; Secret societies
Temples *See also* Architecture, Oriental; Church architecture; Mosques	*Refer from* Archaeology; Architecture; Architecture, Ancient; Architecture, Greek; Architecture, Oriental; Church architecture; Religious architecture (s)
Temporal power of the pope *see* Popes — Temporal power	
Temptation *See also* Evil; Fall of man; Jesus Christ — Temptation; Sin	*Refer from* Ethics; Evil; Sin; Theology
Ten commandments *see* Commandments	
Ten-hour day *see* Hours of labor	
Ten pins *see* Bowling	
Ten tribes of Israel *see* Jews — Lost tribes	
Tenants *see* Landlord and tenant	
Tenement houses *See also* Apartment houses; Architecture, Domestic; Housing problem; Lodging houses; Poor; Slums	*Refer from* Apartment houses; Architecture, Domestic; Building laws; Housing problem; Hygiene, Public; Landlord and tenant; Municipal improvement; Poor; Slums
Tennis *See also* Ping-pong; Rackets (game)	*Refer from* Games; Lawn tennis (s)
Tenpins *see* Bowling	
Tents *See also* Camping	*Refer from* Camping; Military art and science
Tenure of land *see* Land tenure	
Tenure of office *see* Civil service	
Teratology *see* Deformities; Monsters	
Terminology *see* Names; *also* under subject, e.g. Botany — Nomenclature; Medicine — Nomenclature; Zoology — Nomenclature	
Terra cotta *See also* Pottery; Tiles	*Refer from* Building materials; Decoration and ornament; Pottery
Terrariums *see* Vivariums	

Terrestrial magnetism *see* Magnetism, Terrestrial
Territories (U. S.) *see* U. S. — Territories
Terror, Reign of, *see* French revolution
Tertiary period *see* Geology, Stratigraphic — Tertiary; Paleontology — Tertiary
Testimony *see* Evidence
Testing *see* Strength of materials; *also* subject tested, e.g. Boilers — Testing; Electric testing
Tetanus
See also Antitoxins

Refer from Lockjaw (s); Medicine — Practice; Trismus (s)

Teutonic knights
See also Prussia — History

Refer from Chivalry; Knights and knighthood; Knights of the cross (s); Middle ages — History; Order of Teutonic knights (s); Poland — History; Prussia — History; Religious orders; Teutonic order (s)

Teutonic languages *see* Germanic languages
Teutonic mythology *see* Mythology, Germanic
Teutonic order *see* Teutonic knights
Teutonic race
See also Anglo-Saxons; Aryans; Franks; Goths; Vandals

Refer from Anglo-Saxons; Aryans; Civilization; Germanic race (s); Teutons (s)

Teutons *see* Teutonic race
Text-books *see* Textbooks
Textbooks
See also Primers; Readers; Spellers

Refer from Books; Education; School books (s); Text-books (s)

Textile design
See also Tapestry

Refer from Calico printing; Decoration and ornament; Design, Decorative; Textile industry and fabrics

Textile fabrics *see* Textile industry and fabrics
Textile factories
See also Looms; Textile industry and fabrics

Refer from Cotton — Cultivation and manufacture; Cotton mills (s); Factories; Mills and millwork; Textile industry and fabrics; Woolen manufacture; Woolen mills (s)

Textile fibers *see* Fibers
Textile industry and fabrics
See also Blankets; Bleaching; Calico printing; Carpets; Chemistry, Technical; Clothing; Cotton; Cotton — Cultivation and manufacture; Dry goods; Dyes and dyeing; Embroidery; Fibers; Flax; Hosiery; Khaki; Linen; Mercerization; Rugs; Shawls; Silk; Spinning; Tapestry; Textile design; Textile factories; Underwear; Waterproofing; Weaving; Wool; Woolen manufacture; Worsted; Yarn

Refer from Chemistry, Technical; Cloth (s); Clothing; Cotton; Cotton — Cultivation and manufacture; Dry goods; Fibers; Industrial arts; Linen; Manufactures; Silk; Spinning; Textile fabrics (s); Textile factories; Weaving; Wool; Woolen manufacture; Worsted; Yarn

Thalassography *see* Hydrography; Marine biology; Ocean
Thanksgiving day

Refer from Fasts and feasts; Holidays; New England — Social life and customs; Pilgrim fathers; Puritans; U. S. — Social life and customs

Theater
See also Acting; Actors; Amateur theatricals; Ballet; Drama; Make-up, Theatrical; Masques (plays); Minstrel shows; Miracle, morality and mystery plays; Moving pictures; Opera; Pantomime; Passion plays; Puppet plays; Scene painting; Shakespeare, William — Stage presentation; Theaters; Vaudeville

Refer from Acting; Actors; Amusements; Drama; Entertainments; Ethics; Histrionics (s); Stage (s); Theatre (s); Vaudeville

Theater — Continued
——**U. S.**
See also American drama; Dramatists, American

Refer from American drama; U. S. — Theater (s)

Theater buildings *see* Theaters
Theater fires *see* Fires; Theaters
Theaters [buildings]
See also Music halls; *also* names of cities, subhead Theaters

Refer from Architecture; Opera houses (s); Theater; Theater buildings (s); Theater fires (s)

Theatre *see* Theater
Theatrical make-up *see* Make-up, Theatrical
Theatricals, Amateur, *see* Amateur theatricals
Theft *see* Larceny; *also* Embezzlement
Theism
See also Atheism; Christianity; Deism; God; Natural religion; Theology

Refer from Atheism; Christianity; Deism; God; Philosophy; Religion; Theology

Theme-writing *see* Rhetoric
Theocracy

Refer from God; Government

Theodicy *see* God
Theological education *see* Theological schools; Theology — Study and teaching
Theological schools
See also Theology — Study and teaching

Refer from Divinity schools (s); Education; Theological education (s); Theology; Theology — Study and teaching

Theology [including the Christian doctrines. For history of religion *see* Religions. For Christian evidences *see* Christianity — Evidences]
See also Absolute, The; Agnosticism; Angels; Annihilation; Antichrist; Antinomianism; Apostles; Apostolic canons; Apostolic constitutions; Apostolic succession; Arminianism; Atonement; Authority (in religion); Baptism; Belief; Bible; Calvinism; Catechisms; Celibacy; Christianity; Church; Church history; Church polity; Clergy; Confession; Confirmation; Conscience; Conversion; Creation; Creeds; Cross; Death; Deism; Depravity; Devil; Eschatology; Ethics; Evil; Faith; Fall of man; Fanaticism; Fathers of the church; Free religion; Freedom of the will; Future life; Future punishment; God; Grace (theology); Heaven; Hell; Heresy; Holy Spirit; Incarnation; Infallibility; Inspiration; Jesus Christ; Judgment day; Justification; Kingdom of God; Liberalism; Liberty of conscience; Lord's supper; Manicheism; Mass; Materialism; Millennium; Miracles; Modernism; Monotheism; Mysticism; Natural religion; Orthodoxy; Pantheism; Pelagianism; Penance; Philosophy; Plurality of worlds; Prayer; Predestination; Private judgment; Prophecies; Protestantism; Providence; Purgatory; Quietism; Rationalism; Regeneration (theology); Religion; Religion and science; Repentance; Resurrection; Revelation; Revivals; Sacraments; Sacrifice; Salvation; Sanctification; Second advent; Sects; Sermons; Sin; Skepticism; Socinianism; Soul; Spiritualism; Sunday; Teleology; Temptation; Theism; Theological schools; Transcendentalism; Transubstantiation; Trinity; Worship; *also* names of sects, and headings beginning Christian

Refer from Bible; Bible — Theology (s); Biblical theology (s); Christian doctrine (s); Christianity; Church history; Creation; Divinity (s); Doctrinal theology (s); Doctrines (s); Dogmatic theology (s); Faith; God; Natural religion; Philosophy; Religion; Revelation; Science; Sociology; Supernatural; Theism

Theology — Continued
——Natural, *see* Natural religion
——Pastoral, *see* Clergy; Pastoral work
——Practical, *see* Christian life and character
——**Study and teaching**
See also Religious education; Theological schools

Refer from Church and education; Professional education; Religious education; Theological education (s); Theological schools

Theory of errors *see* Errors, Theory of
Theory of groups *see* Groups, Theory of
Theory of potential *see* Potential, Theory of
Theosophy
See also Cabala; Neoplatonism; Vedanta; Yoga

Refer from Buddhism; Buddhism, Esoteric (s); Esoteric Buddhism (s); Occult sciences; Philosophy; Religion; Religions; Vedanta

Therapeutic gymnastics *see* Gymnastics, Medical
Therapeutics
See also Anesthetics; Antiseptics; Antitoxins; Baths and bathing; Bloodletting; Christian science; Climate; Cupping; Diet; Drugs, and names of drugs; Electrotherapeutics; Emmanuel movement; Exercise; Faith cure; First aid in illness and injury; Gold cure; Gymnastics, Medical; Homeopathy; Hydrotherapy; Inoculation; Massage; Materia medica; Mechanotherapy; Medicine; Medicine — Practice; Mental healing; Mineral waters; Narcotics; Nurses and nursing; Organotherapy; Osteopathy; Pathology; Pharmacy; Phototherapy; Poisons; Purgatives; Radiotherapy; Rest; Serum therapy; Stimulants; Suggestive therapeutics; Swedish movement cure; X rays

Refer from Healing (s); Hygiene; Materia medica; Medicine; Medicine — Practice; Pathology; Remedies (in medicine) (s)

Thermal springs *see* Geysers and hot springs
Thermochemistry *see* Chemistry, Physical
Thermodynamics
See also Heat; Heat engines; Steam; Steam engines

Refer from Chemistry, Physical; Dynamics; Heat; Heat engines; Physics; Steam

Thermometer
See also Calorimeters and calorimetry; Meteorological instruments; Pyrometers and pyrometry

Refer from Heat; Meteorological instruments; Physics

Thieves
See also Brigands and robbers; Burglary; Embezzlement; Larceny

Refer from Biography; Brigands and robbers; Crime and criminals; Larceny

Thieving *see* Larceny
Thinking *see* Thought and thinking
Thirty-nine articles *see* Church of England — Articles of religion
Thirty years' war, 1618–1648
See also Europe — History — 1492–1789; Germany — History — 1517–1740; Sweden — History

Refer from Counter-reformation; Europe — History — 1492–1789; Germany — History — 1517–1740; Reformation; Sweden — History

Thorough bass *see* Harmony
Thoroughfares *see* Roads; Streets
Thought and thinking
See also Attention; Intellect; Logic; Mental discipline; Philosophy; Psychology; Reason

Refer from Intellect; Philosophy; Psychology; Psychology, Educational; Reason; Thinking (s)

Thought transference
See also Clairvoyance; Mind reading; Presentiments; Psychical research

Refer from Clairvoyance; Mind reading; Psychical research; Psychology; Suggestion; Telepathy (s)

Thremmatology *see* Breeding; Plant breeding

Threshing

Refer from Agriculture; Grain

Thrift

See also Benefit societies; Cost of living; Extravagance; Insurance; Insurance, Industrial; Investments; Misers; Old age pensions; Prudence; Savings banks; Standard of living

Refer from Conduct of life; Cost of living; Economics; Economy (s); Extravagance; Investments; Poor; Prudence; Saving (s); Savings banks; Standard of living; Success

Throat

See also Bronchitis; Voice

Refer from Anatomy; Bronchitis; Respiratory organs; Sore throat (s); Voice

Throwing sticks

Refer from Arms and armor; Atlatl (s); Spear throwers (s)

Thugs

Refer from Brigands and robbers; Crime and criminals; Crime and criminals — India; Murder; Phansigars (s)

Thunderstorms

See also Lightning; Storms

Refer from Lightning; Meteorology; Storms

Tides

See also Astronomy; Moon; Ocean

Refer from Astronomy; Hydrography; Moon; Ocean; Physical geography

Ties, Railroad, *see* Railroads — Ties

Tigers

See also Carnivora

Refer from Carnivora; Hunting

Tiles

See also Bricks; Clay industries; Pottery

Refer from Bricks; Building materials; Clay industries; Pottery; Terra cotta

Tillage

See also Agricultural physics; Agriculture; Dry farming; Plows; Soils

Refer from Agricultural physics; Agriculture; Cultivating (s); Dry farming; Harrowing (s); Plowing (s); Soils; Subsoiling (s)

Timber

See also Building materials; Dry rot; Forests and forestry; Lumber and lumbering; Strength of materials; Trees; Wood

Refer from Building materials; Forest products; Forests and forestry; Lumber and lumbering; Trees; Wood

——Preservation, *see* Wood — Preservation

Time

See also Almanacs; Astronomy; Astronomy, Spherical and practical; Calendar; Chronograph; Chronology; Daylight saving; Days; Eternity; Timekeepers

Refer from Astronomy; Astronomy, Spherical and practical; Calendar; Chronology; Metaphysics; Philosophy; Standard time (s)

Time, Reaction, *see* Reaction time

Timekeepers

See also Clocks and watches; Pendulums; Sundials

Refer from Clocks and watches; Horology (s); Machinery; Manufactures; Time

Tin

See also Bronze; Metals; Pewter; Tinsmithing

Refer from Metals; Mines and mineral resources; Sheet-metal work

Tinsmithing

See also Sheet-metal work

Refer from Industrial arts; Sheet-metal work; Tin

Tintype *see* Ferrotype

Tipping

Refer from Manners and customs; Servants; Travel; Waiters

Tires

See also Automobiles; Wheels

Refer from Automobiles; Bicycles and tricycles; Pneumatic tires (s); Rubber tires (s); Wheels

Tissues *see* Histology

Tithes

See also Church finance; Church rates

Refer from Church finance; Church law; Church of England — Finance; Church polity; Church rates; Taxation

Title-pages

See also Colophons; Titles of books

Refer from Books; Colophons; Printing; Titles of books

Titles (land) *see* Land titles

Titles of books
See also Copyright; Title-pages

Refer from Bibliography; Book titles
Books; Cataloging; Copyright; Title-pages

Titles of honor and nobility
See also Decorations of honor; Degrees, Academic; Heraldry; Peerage

Refer from Decorations of honor; Herald
Honorary titles (s); Peerage

Titration *see* Chemistry — Analysis

Toads
See also Amphibia; Frogs

Refer from Amphibia; Frogs

Toadstools *see* Mushrooms

Toasts
See also After-dinner speeches

Refer from After-dinner speeches; Dinr
and dining; Drinking customs; Epigrar
Healths, Drinking of (s); Manners and custc

Tobacco
See also Cigarettes; Cigars; Pipes, Tobacco; Smoking; Snuff

Refer from Agricultural products; Agric
ture — Tropics; Cigars; Narcotics; Pip
Tobacco; Smoking; Temperance

——Cultivation

——Diseases and pests

Refer from Agricultural pests; Plants
Diseases; Tobacco — Pests (s)

——Manufacture and trade
See also Tobacco — Taxation

Refer from Manufactures; Tobacco
Trade (s)

——Pests, *see* Tobacco — Diseases and pests

——Physiological effects
See also Smoking

Refer from Hygiene; Smoking

——Taxation

Refer from Taxation; Tobacco — Mar
facture and trade

——Trade, *see* Tobacco — Manufacture and trade

Tobacco pipes *see* Pipes, Tobacco

Tobogganing
See also Coasting; Winter sports

Refer from Coasting; Sports; Winter spor

Toes *see* Foot

Toilet
See also Baths and bathing; Beauty, Personal; Cosmetics; Costume; Hairdressing; Manicuring; Perfumery

Refer from Beauty, Personal; Clothir
Cosmetics; Costume; Hairdressing

Toleration *see* Liberty of conscience; Religious liberty

Toltecs
See also Aztecs; Indians of Mexico; Mexico — Antiquities

Refer from Aztecs; Indians of Mexico; Mexi
— Antiquities

Tombs
See also Brasses; Burial; Catacombs; Cemeteries; Cromlechs; Crypts; Epitaphs; Holy sepulcher; Monuments; Mounds and mound builders; Sarcophagi; Taj Mahal; Tombstones; Vaults

Refer from Archaeology; Architecture; Bu
al; Cemeteries; Christian antiquities; Cryp
Graves (s); Mausoleums (s); Monumen
Rock tombs (s); Sepulchers (s); Vaults

Tombstones
See also Epitaphs; Monuments

Refer from Epitaphs; Gravestones (s
Headstones (s); Monuments; Tombs

Tonic sol-fa

Refer from Music — Notation; Sight readin
Singing and voice culture; Sol-fa system (s)

Tool steel

Refer from Machine tools; Steel; Tools

Tools
See also Bone implements; Carpentry; Farm implements and machinery; Files and rasps; Implements, utensils, etc.; Indians — Implements and weapons; Machine tools; Machinery; Saws; Square (instrument); Stone implements; Tool steel

Refer from Carpentry; Hardware; Imp
ments, utensils, etc.; Industrial arts; Instr
ments; Machinery

Topiary work

Refer from Landscape gardening; Shrub
Trees

Topographical drawing
See also Map drawing

Refer from Drawing; Geography, Mathematical; Map drawing; Surveying; Topographys

Topographical surveying *see* Surveying
Topography *see* Geography; Surveying; Topographical drawing
Tops

Refer from Toys

Tories, American, *see* Loyalists, American
Tories, English
See also England — History; England — Politics

Refer from England — History; England — Politics; Political parties

Tornadoes
See also Cyclones; Storms

Refer from Cyclones; Meteorology; Storms; Winds

Torpedo boats
See also Submarine boats; Torpedoes

Refer from Boats and boating; Naval art and science; Shipbuilding; Ships; Submarine boats; Submarine warfare; Torpedoes; Warships

Torpedoes
See also Mines, Submarine; Torpedo boats

Refer from Explosives; Military art and science; Mines, Submarine; Naval art and science; Submarine warfare; Torpedo boats

Torrens system
See also Conveyancing

Refer from Conveyancing; Deeds; Land titles; Real estate

Torts
See also Damages; Libel and slander; Trespass

Refer from Injuries (s); Law; Libel and slander; Wrongs (s)

Torture
See also Inquisition; Punishment

Refer from Inquisition; Punishment

Total abstinence *see* Temperance
Total depravity *see* Depravity; Sin
Totems and totemism
See also Animal worship

Refer from Animal worship; Ethnology; Indians — Religion; Mythology; Nature worship; Religion; Rites and ceremonies; Superstition; Tribes and tribal system; Worship

Touch
See also Senses and sensation

Refer from Feeling (s); Senses and sensation

Tournaments
See also Chivalry

Refer from Chivalry; Festivals; Fighting (s); Sports

Towers
See also Architecture; Round towers; Spires

Refer from Architecture; Church architecture; Spires

Town meeting
See also Local government; Towns

Refer from Democracy; Government; Local government; Towns

Town officers
See also Constables; Police

Refer from Local government; Towns

Towns
See also Boroughs; Cities; Local government; Municipal corporations; Municipal government; Town meeting; Town officers; Villages

Refer from Boroughs; Cities; Government; Local government; Municipal corporations; Town meeting; Townships (s); Villages

Townships *see* Towns
Toxicology *see* Poisons
Toxins
See also Antitoxins; Poisons; Ptomaines

Refer from Pathology; Poison (s); Poisons; Ptomaines

Toys
See also Dolls; Electric toys; Tops

Refer from Amusements; Games

Track, Railroad, *see* Railroads — Track

Track athletics
See also Athletics; College athletics; Running; Walking — *Refer from* Athletics; College athletics; Field sports (s); Running; Sports

Tracking — *Refer from* Game; Hunting; Scent (s); Scouts and scouting; Trailing (s)

Tract societies
See also Bible — Publication and distribution; Tracts — *Refer from* Missions; Societies; Tracts

Tractarianism *see* Oxford movement

Traction engines — *Refer from* Engines; Farm motors; Locomotives; Road engines (s); Steam engines

Tracts
See also Tract societies — *Refer from* Colportage (s); Literature; Tract societies

Trade *see* Business; Commerce; Tariff

Trade, Balance of, *see* Balance of trade

Trade, Boards of, *see* Boards of trade

Trade agreements
See also Arbitration and conciliation, Industrial — *Refer from* Arbitration and conciliation, Industrial; Collective bargaining (s); Contracts; Employers' associations; Labor unions

Trade-marks
See also Patents; Printers' marks — *Refer from* Commerce; Law; Manufactures; Partnership; Patents

Trade schools
See also Industrial education — *Refer from* Education; Industrial education; Manual training; Schools; Technical education; Trades schools (s); Vocational education

Trade unions *see* Labor unions

Trade winds *see* Winds

Trades *see* Industrial arts; Occupations

Trades combination *see* Combination, Industrial; Labor unions

Trades schools *see* Trade schools

Trades waste *see* Refuse and refuse disposal; Waste products

Trading companies
See also Commerce — History; Hudson Bay company — *Refer from* Commerce; Commerce — History

Traditions *see* Folklore; Legends

Tragedy
See also Drama — *Refer from* Drama

Trailing *see* Tracking

Trails *see* Indian trails; *also* names of trails, e.g. Oregon trail, Salt Lake trail, Santa Fé trail

Train despatching — *Refer from* Railroads; Railroads — Management; Telegraph

Trained nurses *see* Nurses and nursing

Training
See also Animals — Training; Athletics; Education; Gymnastics; Horse training; Physical education; Teaching — *Refer from* Athletics; Exercise; Hygiene; Physical education; Sports

Tramps
See also Begging; Unemployed; Wayfaring life — *Refer from* Begging; Crime and criminals; Poor; Unemployed; Vagabonds (s); Vagrancy (s); Wayfaring life

Tramways *see* Street railroads

Transcendentalism
See also Brook Farm — *Refer from* Idealism; Philosophy; Philosophy, American; Philosophy, German; Philosophy, Modern; Rationalism; Theology

Transcontinental journeys (U. S.) *see* Overland journeys to the Pacific

Transfer tax *see* Inheritance and transfer tax

Transfiguration of Jesus Christ *see* Jesus Christ — Transfiguration

Transformers *see* Electric transformers

Transit *see* Rapid transit; Transportation

Transit (instrument)
See also Astronomical instruments; Surveying instruments
Refer from Astronomical instruments; Surveying instruments

Transits
See also Astronomy; Planets; *also* names of planets
Refer from Astronomy; Eclipses; Planets

Translation
Refer from Language; Literature; Rhetoric

Transliteration
Refer from Alphabet; Language; Spelling

Transmigration
See also Preëxistence; Soul
Refer from Animism; Future life; Metempsychosis (s); Preëxistence; Reincarnation (s); Soul

Transmission (biology) *see* Heredity
Transmission of power *see* Electric power transmission; Power transmission
Transmutation of metals *see* Alchemy
Transmutation of species *see* Species; Variation (biology)

Transportation
See also Aeronautics; Animals — Transportation; Automobiles; Canals; Carriages; Carriers; Commerce; Communication; Demurrage; Electric railroads; Express companies; Ferries; Freight; Harbors; Inland navigation; Marketing of farm produce; Omnibuses; Pack transportation; Packing for shipment; Pneumatic tubes; Postal service; Railroads; Rapid transit; Roads; Shipping; Steam navigation; Steamboats; Street railroads; Subsidies; Telpherage; Vehicles; Waterways
Refer from Carriers; Commerce; Commercial geography; Communication; Economics; Freight; Interstate commerce; Locomotion; Railroads; Shipping; Transit (s); Vehicles

Transportation of animals *see* Animals — Transportation
Transportation of criminals *see* Penal colonies

Transubstantiation
See also Lord's supper; Mass
Refer from Catholic church; Jesus Christ; Lord's supper; Mass; Real presence (s); Theology

Trapping
See also Fur trade; Hunting; Poaching
Refer from Fur trade; Game; Hunting; Sports

Trappists
See also Cistercians
Refer from Cistercians; Monasticism

Traps (plumbing) *see* Plumbing

Travel [for books on the art of travel]
See also Baggage; Ocean travel; Passports; Pilgrimages; Tipping; Voyages and travels
Refer from Locomotion; Ocean travel; Voyages and travels

Travelers
See also Commercial travelers; Explorers; Voyages and travels
Refer from Biography; Explorers; Voyagers (s); Voyages and travels

Traveling libraries *see* Libraries, Traveling
Traveling salesmen *see* Commercial travelers
Travels *see* Voyages and travels; *also* names of countries, subhead Description and travel
Travels around the world *see* Voyages and travels around the world

Traverse tables
See also Navigation; Surveying
Refer from Latitude and longitude; Mathematics — Tables, etc.; Navigation; Surveying

Treacle *see* Molasses

Treason
See also Allegiance
Refer from Crime and criminals; High treason (s); Law; Murder; Political offenses

Treasure-trove
Refer from Adventure; Buried treasure (s); Pirates

Treaties
See also Arbitration, International; Commercial treaties; Diplomacy; Holy alliance; International law; International relations; Triple alliance, 1883–; *also* names of countries, subhead Treaties

Refer from Diplomacy; Government; History; International law; International relations; Ministers of state

Treatment of animals *see* Animals—Treatment

Tree planting
See also Arbor day; Forest planting

Refer from Arbor day; Arboriculture (s); Forest planting; Forests and forestry; Neighborhood improvement; Planting (s); Trees

Tree worship
See also Animism

Refer from Animism; Fetishism; Nature worship; Trees; Worship

Trees
See also Arbor day; Bark; Botany; Evergreens; Forest nurseries; Forest planting; Forests and forestry; Fruit; Grafting; Hedges; Landscape gardening; Leaves; Lumber and lumbering; Nuts; Pruning; Timber; Topiary work; Tree planting; Tree worship; *also* names of trees, e.g. Oaks

Refer from Agriculture; Arboriculture (s); Bark; Botany; Dendrology (s); Evergreens; Forests and forestry; Landscape gardening; Leaves; Shrubs; Silviculture (s); Timber; Wood

——Diseases and pests
See also Fruit — Diseases and pests; Gipsy moth; Insects, Injurious and beneficial; Plants — Diseases; Spraying

Refer from Agricultural pests; Fruit — Diseases and pests; Insects, Injurious and beneficial; Plants — Diseases

——Fossil
See also Petrified forests

Refer from Fossil plants; Fossil trees (s); Fossil wood (s); Petrified forests; Wood, Fossil (s)

——Historic
See also Preservation of landmarks, scenery, etc.

Refer from Historic trees (s); History; Preservation of landmarks, scenery, etc.

Trent affair, 1861
See also U. S. — History — Civil war — Foreign relations

Refer from Contraband of war; Neutrality; U. S.— History — Civil war — Foreign relations

Trepanning *see* Trephining

Trephining

Refer from Brain; Skull; Surgery; Trepanning (s)

Trespass
See also Easements

Refer from Law; Property; Torts

Trestles
See also Bridges

Refer from Bridges; Railroads; Railroads — Construction

Trial by combat *see* Wager of battle

Trial by jury *see* Jury

Trials
See also Actions at law; Courts martial; Evidence; Expert evidence; Impeachment; Jury; Ordeals; Pleading and practice; Witnesses

Refer from Actions at law; Courts; Crime and criminals; Criminal law; Jury; Law; Pleading and practice; State trials (s)

Triangulation *see* Geodesy; Surveying

Triassic period *see* Geology, Stratigraphic — Triassic; Paleontology — Triassic

Tribal system *see* Tribes and tribal system

Tribes and tribal system
See also Clans; Consanguinity; Family; Patriarchy; Society, Primitive; Totems and Totemism; Village communities

Refer from Anthropology; Civilization; Clans; Communism; Family; Government; Patriarchy; Society, Primitive; Tribal system (s); Village communities

Tricycles *see* Bicycles and tricycles

Tricycling *see* Cycling

Trigonometry
See also Geodesy; Geometry; Logarithms; Mathematics; Mensuration; Navigation; Surveying

Refer from Geometry; Logarithms; Mathematics; Spherical trigonometry (s); Surveying

Trilobites
See also Crustacea

Refer from Crustacea; Paleontology

Trinity
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——Public documents, *see* U. S. — Government publications

——**Public lands**

See also Forest reserves; Grazing; Homestead law; Indians — Land transfers; Indians — Reservations; Land grants; National parks and reserves; School lands

Refer from Land tenure — U. S.

——Public schools, *see* Public schools — U. S.

——**Public works**

See also U. S. — Public buildings

Refer from U. S. — Internal ments (s)

——Race problems, *see* Race problems — U. S.

——Railroads, *see* Railroads — U. S.

——Reconstruction, *see* Reconstruction

——Reformatories, *see* Reformatories — U. S.

United States — Continued

——**Registers** [of officials]

Refer from Civil service — U. S.; U. S. — Directories

——**Religious history.** [For non-Christian countries use Religion]

See also Evangelical alliance; U. S.— Religious institutions and affairs; *also* names of churches and sects

Refer from U. S. — Church history (s); U. S. — Ecclesiastical history (s)

——**Religious institutions and affairs**

Refer from U. S. — Ecclesiastical institutions (s); U. S. — Religious history

——Reptiles, *see* Reptiles — U. S.

——Resources, *see* U. S. — Industries and resources

——**Revenue**

See also Internal revenue laws; Tariff — U. S.; Taxation — U. S.

Refer from Tariff — U. S.; Taxation — U. S.; U. S. — Finance; U. S. — Internal revenue (s)

——Revolution, *see* U. S. — History — Revolution

——Rivers, *see* Rivers — U. S.

——Roads, *see* Roads — U. S.

——**Sanitary affairs**

——Schools, *see* Education — U. S.; Public schools — U. S.

——Scientific institutions, *see* U. S. — Learned institutions and societies

——Sculpture, *see* Sculpture, American

——**Seal**

Refer from Heraldry — U. S.; Numismatics — U. S.

——Secret service, *see* Secret service

——Shipping, *see* Shipping — U. S.

——Slavery, *see* Slavery in the U. S.

——**Social conditions**

See also Immigration and emigration — U. S.; Labor and laboring classes — U. S.; Sectionalism; U. S. — Civilization; U. S. — Economic conditions; U. S. — Foreign population; U. S. — Moral conditions

Refer from Labor and laboring classes — U. S.; U. S. — Civilization; U. S. — Economic conditions

——**Social life and customs**

See also Children in the U. S.; Colonial life and customs; Costume — U. S.; National characteristics, American; Thanksgiving day; U. S. — Intellectual life; Women in the U. S.

Refer from National characteristics, American; U. S. — Civilization; U. S. — Customs (s); U. S. — Manners and customs (s); Women in the U. S.

——Sports, *see* Sports — U. S.

——States, *see* States (U. S.)

——**Statistics**

See also U. S. — Census; U. S. — Population; U. S. — Vital statistics

Refer from U. S. — Census

——**Surveys**

——Tariff, *see* Tariff — U. S.

——Taxation, *see* Taxation — U. S.

——Territorial expansion, *see* Imperialism; U. S. — Annexations; U. S. — Insular possessions

——**Territories**

Refer from Territories (U. S.) (s)

——Theater, *see* Theater — U. S.

——Travel, *see* U. S. — Description and travel

——**Treaties**

See also U. S. — Foreign relations

Refer from U. S. — Foreign relations

——Universities, *see* Colleges and universities — U. S.

——Useful arts, *see* U. S. — Industries and resources

United States — Continued
——Views, *see* U. S. — Description and travel — Views
——**Vital statistics**
See also U. S.— Census

Refer from U. S. — Census; U. S. — Statistics

——Water power, *see* Water power — U. S.
——Water supply, *see* Water supply — U. S.
——Waterways, *see* Waterways — U. S.
——Weights and measures, *see* Weights and measures
——Zoology, *see* Zoology — U. S.
United States volunteer cavalry
See also Rough Riders

Refer from Cavalry; U. S. — Army; U. S. — Army — Cavalry; Volunteers (U. S. army) (s)

United States volunteer infantry

Refer from Infantry; U. S. — Army; U. S. — Army — Infantry; Volunteers (U. S. army) (s)

Units
See also Electric measurement; Metric system; Weights and measures

Refer from Constants (s); Physics; Standards (s); Weights and measures

Universal history *see* History, Universal
Universal language *see* Language, Universal
Universal suffrage *see* Suffrage
Universalism
See also Future life; Future punishment

Refer from Congregationalism; Future punishment; Salvation; Sects

Universe
See also Astronomy; Creation; Earth; Metaphysics; Meteoritic hypothesis; Monadology; Monism; Nebular hypothesis; Planetesimal hypothesis; Plurality of worlds; Teleology

Refer from Astronomy; Cosmogony (s); Cosmography (s); Cosmology (s); Creation; Metaphysics; Philosophy; World (s)

Universities *see* Colleges and universities
University degrees *see* Degrees, Academic
University extension
See also Correspondence schools and courses

Refer from Colleges and universities; Education; Self-culture

University libraries *see* Libraries, College
University of the U. S., Proposed, *see* National university for the U. S.
University settlements *see* Social settlements
Upholstery
See also Drapery; Furniture; House decoration

Refer from Drapery; Furniture; House decoration

Ural-Altaic languages
See also Finnish language; Hungarian language; Turkish language

Refer from Altaic languages (s); Finnish language; Hungarian language; Language; Turkish language

Uranography *see* Astronomy
Urinary organs
See also Anatomy; Kidneys

Refer from Anatomy; Kidneys; Physiology

Urn burial

Refer from Burial; Cremation; Mortuary customs (s); Urns

Urns
See also Urn burial; Vases

Refer from Pottery; Vases

Ursidae *see* Bears
Ursulines

Refer from Sisterhoods; Nuns

Usages *see* Etiquet; Manners and customs
Useful arts *see* Industrial arts; Manufactures
Usury *see* Interest
Utensils *see* Implements, utensils, etc.
Utilitarianism
See also Philosophy, English; Secularism

Refer from Ethics; Hedonism; Philosophy; Philosophy, English; Secularism

Utopias
See also Forecasts; Socialism

Refer from Forecasts; Government; Ideal states (s); Socialism; Socialistic utopias (s); Sociology

Vacant lot cultivation
See also School gardens

Refer from City gardens (s); Charities; Commons; Cultivation of vacant lots (s); Detroit plan (s); Gardening; Municipal improvement; Neighborhood improvement; Pingree plan (s); School gardens; Unemployed; Workingmen's gardens (s)

Vacation schools
See also Summer schools

Refer from Education; Playgrounds; Public schools; Schools; Summer schools; Vacations

Vacations
See also Camping; Holidays; Outdoor life; Summer resorts; Vacation schools

Refer from Holidays; Hygiene; Outdoor life

Vaccination
See also Immunity; Inoculation; Smallpox; Varioloid

Refer from Contagion and contagious diseases; Hygiene, Public; Immunity; Inoculation; Medicine; Smallpox; Varioloid

Vacuum cleaning systems

Refer from Cleaning; Compressed air; House cleaning; Sweeping

Vagabonds *see* Gipsies; Tramps; Wayfaring life
Vagrancy *see* Poor; Poor laws; Tramps
Valdenses *see* Waldenses
Valency

Refer from Chemical elements; Chemistry, Physical

Valentine's day

Refer from Manners and customs; St. Valentine's day (s)

Valleys
See also Erosion; Physical geography; Rivers

Refer from Erosion; Physical geography; Rivers

Valor *see* Courage
Valses *see* Waltzes
Value
See also Cost; Farm values; Money; Prices; Supply and demand

Refer from Cost; Economics; Prices; Standard of value (s); Supply and demand; Wages

Valves and valve gears
See also Link motion; Safety valves; Steam engines

Refer from Gearing; Link motion; Machinery; Safety valves; Slide valves (s); Steam engines

Vampires
See also Animals, Mythical

Refer from Animal lore; Animals, Mythical; Superstition

Vandals
See also Barbarian invasions of Rome

Refer from Barbarian invasions of Rome; Teutonic race; Wandalen (s)

Vanilla
See also Flavoring extracts

Refer from Flavoring extracts

Vanity *see* Pride and vanity
Vapor *see* Evaporation; Gases; Steam
Variation (biology)
See also Color of animals; Color of flowers; Color of insects; Color of plants; Evolution; Heredity; Mendel's law; Natural selection; Plant breeding; Species

Refer from Biology; Botany; Evolution Heredity; Mutation (s); Species; Transmu tation of species (s); Zoology

Variation of the compass *see* Compass
Variations (calculus) *see* Calculus
Variety stage *see* Vaudeville
Variola *see* Smallpox
Varioloid
See also Smallpox; Vaccination

Refer from Medicine — Practice; Smallpox Vaccination

Varnish and varnishing
See also Japanning; Lacquer; Painting, Mechanical; Wood finishing

Refer from Chemistry, Technical; Gums and resins; Japanning; Lacquer; Painting, Mechanical; Wood finishing

Vascular system
See also Anatomy; Arteries; Blood; Blood vessels; Heart; Physiology; Veins

Refer from Anatomy; Blood vessels; Circulatory system (s); Physiology

Vases
See also Pottery; Urns

Refer from Amphorae (s); Decoration and ornament; Pottery; Urns

Vassals *see* Feudalism

Vatican
See also Catholic church; Popes; Rome (city)

Refer from Catholic church; Popes; Rome (city)

Vatican council
See also Infallibility; Popes — Infallibility

Refer from Catholic church — History; Councils and synods; Infallibility; Popes; Popes — Infallibility; Ultramontanism

Vaudeville
See also Theater

Refer from Acting; Actors; Amusements; Music halls; Stage (s); Theater; Variety stage (s)

Vaudois *see* Waldenses

Vaulting
See also Arches; Architecture; Domes; Vaults

Refer from Arches; Architecture; Building; Masonry; Roofs; Vaults

Vaults
See also Safes; Tombs; Vaulting

Refer from Architecture; Banks and banking; Safes; Tombs; Vaulting

Vector analysis
See also Quaternions

Refer from Algebra; Quaternions

Vedanta
See also Philosophy, Hindu; Theosophy; Vedas; Yoga

Refer from Brahmanism; Hinduism; Pantheism; Philosophy, Hindu; Theosophy; Vedas; Yoga

Vedas
See also Vedanta

Refer from Brahmanism; Hindu literature; Hinduism; Sacred books; Sanskrit literature; Vedanta

Vegetable diet *see* Vegetarianism
Vegetable gardening *see* Gardening; Market gardening
Vegetable kingdom *see* Botany; Plants
Vegetable mold *see* Soils
Vegetable oils *see* Essences and essential oils; Oils and fats
Vegetable pathology *see* Plants — Diseases
Vegetable physiology *see* Botany — Physiology

Vegetables
See also Beets and beet sugar; Cookery — Vegetables; Gardening; Market gardening; Potatoes; Root crops; Vegetarianism

Refer from Agricultural products; Beets and beet sugar; Botany; Food; Gardening; Market gardening; Potatoes; Root crops

Vegetarianism
See also Animal food

Refer from Animal food; Diet; Food; Vegetable diet (s); Vegetables

Vehicles
See also Ambulances; Automobiles; Carriages; Cars; Chariots; Coaches and coaching; Omnibuses; Transportation; Wagons; Wheels

Refer from Carriages; Transportation; Wagons

Veins
See also Arteries; Blood; Blood vessels

Refer from Arteries; Blood; Blood vessels; Vascular system

Velocipedes *see* Bicycles and tricycles

Velocity
See also Kinematics; Speed

Refer from Kinematics; Motion; Physics; Speed

Vendean war, 1793–1796
See also Chouans; French revolution

Refer from Brittany; Chouans; French revolution; Vendée, War of (s)

Vendée, War of, *see* Vendean war
Vendetta

Refer from Feuds (s); Manners and customs

Vendors *see* Sale
Veneers and veneering

Refer from Forest products; Furniture; Woodwork

Venesection *see* Bloodletting
Venom
See also Poisons

Refer from Bites, Venomous (s); Poisons; Snake venom (s); Snakes

Ventilating fans *see* Fans, Electric; Fans, Mechanical
Ventilation
See also Air pollution; Car heating, lighting and ventilation; Chimneys; Fans, Electric; Fans, Mechanical; Heating; Mine ventilation

Refer from Air; Air pollution; Architecture; Building; Chimneys; Heating; Home economics; Hygiene; Sanitary engineering; Sanitation; Sanitation, Household

Ventilation of mines *see* Mine ventilation
Ventriloquism

Refer from Amusements; Elocution; Voice

Versailles (palace)

Refer from Art — Galleries and museums; France — Description and travel; Palaces

Versification
See also Alliteration; Meter; Poetry; Prosody; Rhyme; Rhythm

Refer from Alliteration; Authorship; Meter; Poetry; Prosody; Rhetoric

Vertebral column *see* Spine
Vertebrates
See also Amphibia; Birds; Fish; Mammals; Reptiles; Zoology

Refer from Amphibia; Birds; Fish; Mammals; Reptiles; Zoology

Vessels *see* Shipbuilding; Shipping; Ships; Steamboats
Vestments *see* Church vestments
Veterinary medicine
See also Animals — Diseases; Cattle — Diseases; Dogs; Domestic animals; Horse; Sheep; Swine; *also* names of diseases, e.g. Tuberculosis in animals

Refer from Animals — Diseases; Cattle — Diseases; Diseases of animals (s); Dogs; Domestic animals; Domestic animals — Diseases (s); Farriery (s); Horse; Live stock; Medicine; Sheep; Swine

Veto

Refer from Executive power; Government; Legislation; Presidents

Viaducts *see* Bridges
Vibration
See also Heat; Light; Motion; Physics; Sound; Waves

Refer from Motion; Physics; Waves

Vice
See also Crime and criminals; Degeneration; Ethics; Prostitution

Refer from Crime and criminals; Degeneration; Ethics; Immorality (s); Prostitution

Victoria cross

Refer from Decorations of honor

Victorian literature *see* English literature — History and criticism — 19th century
Views
See also Pictures; *also* e.g. New York (city) — Description — Views; U. S. — Description and travel — Views

Refer from Geography; Pictures

Vigilance committees
See also Lynch law

Refer from Courts; Crime and criminals; Criminal law; Lynch law; Western states

Vikings *see* Northmen
Village communities
See also Communism; Local government; Mark (land); Tribes and tribal system

Refer from Commons; Communism; Communities (s); Government; Land tenure; Local government; Mark (land); Society, Primitive; Tribes and tribal system

Villages
See also Local government; Towns

Refer from Government; Local government; Towns

Villainage *see* Villeinage
Villas *see* Architecture, Domestic; Cottages; Country houses

Villeinage
See also Feudalism; Serfdom
Refer from Feudalism; Labor and laboring classes; Land tenure; Peasantry; Serfdom; Villainage (s); Villenage (s)

Villenage *see* Villeinage
Vine *see* Grape; Wine
Vines *see* Climbing plants; Grape
Vineyards *see* Grape

Violets
See also Floriculture
Refer from Floriculture; Flowers

Violin
See also Stringed instruments; Violin music; Violinists
Refer from Bow (music) (s); Fiddle (s); Musical instruments; Stringed instruments

Violin music
Refer from Instrumental music; Music — Scores; Violin

Violinists
See also Musicians
Refer from Musicians; Violin

Violoncello
See also Stringed instruments
Refer from Cello (s); Musical instruments; Stringed instruments

Virgin birth of Christ *see* Jesus Christ — Birth
Virgin Mary *see* Mary, Virgin
Virgin Mary in art *see* Madonnas
Virginal *see* Piano
Virginia resolutions, 1798, *see* Kentucky and Virginia resolutions, 1798

Virtue
See also Chastity; Ethics; Goodness
Refer from Conduct of life; Ethics; Goodness

Viscera
See also Abdomen; Intestines; Kidneys; Liver
Refer from Abdomen; Intestines

Viscosity
See also Hydrodynamics; Matter; Splashes
Refer from Fluids; Gases; Hydrodynamics; Liquids; Matter; Physics

Visigoths *see* Goths
Vision *see* Color sense; Eye; Sight
Visions *see* Apparitions; Dreams; Illusions and hallucinations

Visitations, Heraldic
Refer from Genealogy; Heraldic visitations (s); Heraldry

Visiting *see* Guests
Vitagraph *see* Moving pictures

Vital records
Refer from Archives; Birth records (s); Death records (s); Genealogy; Marriage records (s); Records of births, marriages and deaths (s); Registers of births, marriages and deaths (s); Vital statistics

Vital statistics
See also Birth rate; Census; Fecundity; Mortality; Population; Vital records; *also* names of countries, subhead Vital statistics
Refer from Birth rate; Census; Death; Death rate (s); Life; Longevity; Man; Marriage statistics (s); Mortality; Population; Statistics

Vitalism
Refer from Biology; Life

Vitascope *see* Moving pictures
Viticulture *see* Grape

Vivariums
See also Aquariums; Menageries
Refer from Animals; Menageries; Terraria (s)

Vivisection
See also Animal experimentation; Dissection
Refer from Anatomy; Animal experimentation; Animals — Treatment; Dissection; Ethics; Pain; Surgery

Vocal culture *see* Singing and voice culture

Vocal music *see* Choral music; Church music; Music; Singing and voice culture; Songs
Vocal organs *see* Voice
Vocalists *see* Singers
Vocational education
See also Industrial education; Professional education; Technical education; Trade schools

Refer from Colleges and universities; Curriculum; Education; Industrial education; Occupations; Professional education; Public schools; Technical education

Vocations *see* Occupations; Professions
Voice
See also Elocution; Music; Oratory; Singing and voice culture; Sound; Speech; Stammering; Throat; Ventriloquism

Refer from Breathing; Elocution; Hygiene; Medicine — Practice; Music; Oratory; Physiology; Singing and voice culture; Sound; Speaking (s); Speech; Throat; Vocal organs (s)

Voice culture *see* Singing and voice culture
Volapük

Refer from Language, Artificial

Volatile oils *see* Essences and essential oils
Volcanic rocks *see* Igneous rocks
Volcanoes
See also Earthquakes; Geology; Igneous rocks; Lava; Physical geography

Refer from Earth; Earthquakes; Geology; Lava; Mountains; Physical geography; Seismology (s)

Volition *see* Will
Voltaic arc *see* Electric arc
Voltaic cell *see* Electric batteries
Voltaic electricity *see* Electricity
Volumetric analysis *see* Chemistry — Analysis
Volunteers (U. S. army) *see* United States volunteer cavalry; United States volunteer infantry; *also* under names of states, e.g. New York artillery; New York cavalry; New York infantry
Voodooism

Refer from Conjuring; Fetishism; Negroes — Social life and customs; Superstition; Voudooism (s)

Voting *see* Ballot; Elections; Representative government and representation; Suffrage
Voting machines

Refer from Ballot; Elections

Voudooism *see* Voodooism
Voyagers *see* Explorers; Travelers
Voyages and travels
See also Adventure; Antarctic regions; Arctic regions; Automobile touring; Buccaneers; Discoveries and explorations; Explorers; Geography; Ocean travel; Pilgrimages; Sailors; Scientific expeditions; Seafaring life; Travel; Travelers; Voyages and travels around the world; Whaling

Refer from Adventure; Antarctic regions; Arctic regions; Discoveries and explorations; Explorers; Geography; Journeys (s); Navigation; Ocean; Ocean travel; Travel; Travelers; Travels (s)

——**Early** [to 1650]

Voyages and travels around the world

Refer from Circumnavigation (s); Travels around the world (s); Voyages and travels

Wager of battle
See also Dueling

Refer from Battle, Wager of (s); Combat, Trial by (s); Dueling; Law; Trial by combat (s)

Wagers *see* Betting
Wages
See also Cost of living; Economics; Employment agencies; Income; Labor and laboring classes; Labor unions; Prices; Profit sharing; Salaries; Standard of living; Sweating system; Value

Refer from Compensation (s); Cost of living; Economics; Income; Labor and capital; Labor and laboring classes; Labor unions; Piece work (s); Prices; Profit; Salaries; Standard of living; Workmen's compensation (s)

Wagon painting *see* Carriage painting
Wagons
See also Carriages; Vehicles

Refer from Vehicles

Wahabis
See also Arabia — History; Mohammedanism
Refer from Arabia — History; Mohammedanism; Wahhabites (s)

Wahhabites *see* Wahabis

Waiters
See also Servants; Tipping
Refer from Restaurants; Servants; Table; Waitresses (s)

Waitresses *see* Waiters

Waldenses
See also Albigenses; Huguenots; Reformation — France
Refer from Albigenses; Church history — Middle ages; Huguenots; Reformation — France; Sects; Valdenses (s); Vaudois (s)

Walking
See also Running
Refer from Animal locomotion; Athletics; Exercise; Locomotion; Outdoor life; Pedestrianism (s); Physical education; Running; Sports; Track athletics

Wall decoration *see* Mural painting and decoration

Wall painting *see* Mural painting and decoration

Wall paper
See also Mural painting and decoration; Tapestry
Refer from House decoration; Mural painting and decoration; Paper; Paper hanging (s)

Wall street, New York city
See also Speculation; Stock exchange
Refer from New York (city) — Streets; Speculation; Stock exchange; Stocks

Walls
See also Building; Dams; Foundations; Masonry; Mural painting and decoration; Sea walls
Refer from Architecture; Building; Civil engineering; Dams; Earthwork; Engineering; Foundations; Masonry; Retaining walls (s)

Waltzes
See also Dance music
Refer from Dance music; Valses (s)

Waltzing *see* Dancing

Wampum
See also Shell money
Refer from Beads; Indians; Money; Shell money

Wandalen *see* Vandals

Wandering Jew
Refer from Legends

War
See also Arbitration, International; Armies; Battles; Blockade; Contraband of war; Disarmament; Guerrillas; Imaginary wars and battles; International law; International relations; Intervention; Martial law; Militarism; Military art and science, and other headings beginning Military; Naval art and science; Navies; Neutrality; Peace; Prisoners of war; Prizes (international law); Recognition (international law); Red cross; Sieges; War correspondence; War games; War poetry; War songs; *also* names of wars, e.g. French revolution
Refer from Arbitration, International; Armies; Disarmament; Ethics; Fighting (s); International law; International relations; Militarism; Military art and science; Naval art and science; Peace; Social problems; Sociology

War correspondence
Refer from Correspondence (s); Journalism; Reporting; War

War cries *see* Battle cries

War games
See also Military maneuvers
Refer from Military art and science; Military maneuvers; Tactics; War

War of 1812 *see* U. S. — History — War of 1812

War of the Austrian succession *see* Austrian succession, War of

War of the Roses *see* Wars of the Roses

War of the Spanish succession *see* Spanish succession, War of

War poetry
See also War songs; *also* under various wars, e.g. U. S. — History — Revolution — Poetry

Refer from Poetry; Poetry of war (s); War; War songs

War-ships *see* Warships

War songs
See also War poetry

Refer from Battle-songs (s); National songs; Patriotic songs (s); Songs; War; War poetry

Wards *see* Guardians

Warehouses
See also Bailments; Grain elevators

Refer from Architecture; Bailments; Business; Commerce; Tariff

Warming *see* Heating

Warnings *see* Omens

Wars *see* Military history; *also* names of wars, and names of countries, subheads History and History, Military

Wars, Imaginary, *see* Imaginary wars and battles

Wars of the Roses
See also England — History — Lancaster and York

Refer from England — History — Lancaster and York; Roses, Wars of the (s); War of the Roses (s)

Warships
See also Armor plate; Armored vessels; Galleys; Naval art and science; Navies; Submarine boats; Torpedo boats; *also* names of countries, subhead Navy

Refer from Armored vessels; Battle-ships (s); Battleships (s); Cruisers (s); Fleets (s); Naval art and science; Navies; Sea power; Shipbuilding; Ships; Steamboats; War-ships (s)

Warwick castle
See also Castles — England; Warwickshire, Eng.

Refer from Castles — England; Warwickshire, Eng.

Washing *see* Laundry

Wasps
See also Hymenoptera

Refer from Hymenoptera

Waste, Disposal of, *see* Refuse and refuse disposal; Sewage; Waste products

Waste products
See also Refuse and refuse disposal; Slag

Refer from By-products (s); Chemical engineering; Chemistry, Technical; Factory waste (s); Industrial arts; Manufactures; Refuse and refuse disposal; Trades waste (s); Waste, Disposal of (s)

Watches *see* Clocks and watches

Water
See also Baths and bathing; Dew; Erosion; Feed water; Fog; Frost; Glaciers; Hail; Hydraulic engineering; Hydraulics; Hydrostatics; Ice; Lakes; Meteorology; Mineral waters; Ocean; Physical geography; Ponds; Rain; Rivers; Sea water; Snow; Springs; Steam; Swimming; Water supply, and other headings beginning Water; Waterfalls; Waterspouts; Waterways; Waves

Refer from Beverages; Hydraulic engineering; Hydraulics; Hydrology (s); Hydrostatics; Ice; Physical geography; Physics; Water supply

——Analysis
See also Bacteriology

Refer from Bacteriology; Sanitary chemistry; Water analysis (s); Water pollution

——Purification
See also Feed water; Filters and filtration; Water supply

Refer from Feed water; Filters and filtration; Municipal engineering; Purification of water(s); Sanitary chemistry; Sanitary engineering; Sanitation; Water pollution; Water purification (s); Water softening (s); Water supply

Water—Continued
——**Underground**
See also Divining rod; Soil moisture; Springs; Wells

Refer from Ground water (s); Hydrology (s); Physical geography; Springs; Subterranean water (s); Underground water (s); Wells

Water analysis *see* Water — Analysis
Water birds
See also Birds; Ducks; Geese

Refer from Aquatic birds (s); Birds; Ducks; Geese; Waterfowl (s); Wild fowl (s)

Water color painting
See also Painting

Refer from Painting

Water cure *see* Hydrotherapy
Water flow *see* Hydraulics
Water gardens
See also Aquariums; Aquatic plants

Refer from Aquariums; Aquatic gardening (s); Aquatic plants; Gardens; Landscape gardening

Water heating *see* Hot water heating
Water insects *see* Insects, Aquatic
Water meters

Refer from Meters (s); Water supply

Water plants *see* Aquatic plants
Water pollution
See also Sewage; Water — Analysis; Water — Purification; Water supply

Refer from Hygiene; Hygiene, Public; Pollution of streams (s); Refuse and refuse disposal; Rivers; Sanitary chemistry; Sewage; Water supply

Water power
See also Flumes; Hydraulic engineering; Hydraulic machinery; Hydraulic motors; Hydro-electric plants

Refer from Conservation of resources; Flumes; Hydraulic engineering; Hydraulic power (s); Hydraulics; Natural resources; Power; Rivers

Water-power electric plants *see* Hydro-electric plants
Water purification *see* Water — Purification
Water rights
See also Riparian rights; Water supply

Refer from Irrigation; Riparian rights; Water supply

Water softening *see* Water — Purification
Water sports *see* Aquatic sports
Water supply
See also Aqueducts; Artesian wells; Canals; Dams; Droughts; Filters and filtration; Forests and forestry; Fountains; Hydraulic engineering; Irrigation; Plumbing; Pumping stations; Pumps; Reservoirs; Water; Water — Purification; Water meters; Water pollution; Water rights; Wells; *also* names of cities, subhead Water supply

Refer from Civil engineering; Engineering; Filters and filtration; Hydraulic engineering; Hygiene, Public; Municipal engineering; Pumping stations; Reservoirs; Sanitary engineering; Sanitation; Water; Water — Purification; Water pollution; Water rights; Waterworks (s)

——**U. S.**

Refer from U. S. — Water supply (s)

Water wheels
See also Hydraulic motors; Turbines

Refer from Hydraulic engineering; Hydraulic machinery; Hydraulic motors; Machinery; Motors; Turbines; Wheels

Watercourses *see* Waterways
Waterfalls

Refer from Cataracts (s); Falls (s); Physical geography; Water

Waterfowl *see* Water birds
Watering places *see* Health resorts; Summer resorts
Waterloo, Battle of, 1815
See also France — History — Consulate and empire; Napoleonic wars

Refer from Battles; France — History — Consulate and empire; Napoleonic wars

Waterproofing
See also Corrosion and anti-corrosives; Dampness in buildings

Refer from Corrosion and anti-corrosives; Textile industry and fabrics

Waterspouts
See also Meteorology

Refer from Meteorology; Physical geography; Water

Waterways
See also Canals; Ferries; Freight; Inland navigation; Navigation; Riparian rights; Rivers
——U. S.
See also Canals — U. S.; Great Lakes; Rivers — U. S.
Waterworks *see* Water supply
Wattmeter
Waves
See also Electric waves; Ether (of space); Light; Sound; Vibration
Wax
Wax flowers
Waxworks, Living, *see* Jarley waxworks
Wayfaring life
See also Minstrels; Outdoor life; Tramps

Wealth
See also Banks and banking; Business; Capital; Capitalists and financiers; Economics; Finance; Income; Labor and laboring classes; Leisure class; Luxury; Millionaires; Misers; Money; Property; Prosperity; Success
Weapons *see* Arms and armor; Firearms; Indians — Implements and weapons; Swords
Weariness *see* Fatigue
Weather
See also Climate; Droughts; Meteorology; Storms; Weather forecasts; Weather lore; Winds
Weather forecasts
See also Weather lore
Weather lore

Weaving
See also Basketwork; Beadwork; Blankets; Carpets; Lace; Looms; Rugs; Textile industry and fabrics
Wedding anniversaries
Weddings
See also Etiquet; Marriage; Marriage customs and rites; Wedding anniversaries
Weeds

Weevils
See also Beetles; Boll weevil
Weights and measures
See also Arithmetic; Decimal system; Electric measurement; Gaging; Gravitation; Measuring instruments; Mensuration; Metric system; Specific gravity; Standards of length; Units
Weirs *see* Dams
Welding
See also Blowpipe; Solder and soldering

Welfare institutions for laborers *see* Industrial betterment
Wells
See also Artesian wells; Boring; Gas, Natural; Holy wells; Petroleum; Springs; Water, Underground

Refer from Canals; Commerce; Communication; Inland navigation; Rivers; Transportation; Watercourses (s); Water

Refer from Canals — U. S.; Rivers — U. S.; U. S.— Commerce; U. S. — Waterways (s)

Refer from Electric meters; Meters (s)

Refer from Hydrodynamics; Ocean; Physical geography; Physics; Vibration; Water
Refer from Adhesives; Bees
Refer from Artificial flowers; Flowers

Refer from Minstrels; Outdoor life; Tramps; Vagabonds (s)

Refer from Business; Business ethics; Capital; Distribution of wealth (s); Economics; Ethics; Finance; Fortunes (s); Income; Luxury; Millionaires; Money; Plutocracy (s); Property; Riches (s); Social ethics

Refer from Climate; Meteorology

Refer from Forecasts; Meteorology; Weather
Refer from Folklore; Meteorology; Proverbs; Superstition; Weather; Weather forecasts

Refer from Arts and crafts; Carpets; Cotton; Domestic arts; Industrial arts; Looms; Manual training; Textile industry and fabrics
Refer from Anniversaries; Marriage; Weddings
Refer from Bridal customs (s); Etiquet; Marriage; Marriage customs and rites
Refer from Agricultural pests; Botany; Botany, Economic; Gardening; Plants

Refer from Beetles; Insects, Injurious and beneficial
Refer from Cambistry (s); Commerce; Decimal system; Gravitation; Measures (s); Mensuration; Metric system; Metrology (s); Science; Specific gravity; Standards (s); Units

Refer from Blacksmithing; Blowpipe; Electric welding (s); Forging; Ironwork; Machine shop practice; Metal work; Metals; Solder and soldering

Refer from Artesian wells; Hydraulic engineering; Springs; Water, Underground; Water supply

Welsh language
See also Celtic languages

Refer from Celtic languages; Cymric language (s); Kymric language (s)

Welsh literature
See also Celtic literature

Refer from Celtic literature; Cymric literature (s); Kymric literature (s)

Werwolves
See also Animals, Mythical

Refer from Animal lore; Animals, Mythical; Lycanthropy (s); Superstition

Wesleyan Methodist church
Wesleyans *see* Methodist Episcopal church; Wesleyan Methodist church

Refer from Methodism; Sects; Wesleyans (s)

West (U. S.) *see* Western states
Western empire *see* Holy Roman empire
Western Reserve
See also Ohio

Refer from Connecticut Reserve (s); Northwest Territory, U. S.; Ohio

Western states
See also Cowboys; Frontier and pioneer life; Indians; Lewis and Clark expedition; New Englanders in the West; Northwest Territory; Northwestern states; Oregon trail; Overland journeys to the Pacific; Pacific states; Prairies; Ranch life; Salt Lake trail; Santa Fé trail; Southwestern states; Vigilance committees; *also* names of states, cities, etc.

Refer from Frontier and pioneer life; Indians; Northwestern states; Overland journeys to the Pacific; Pacific states; Prairies; Ranch life; Southwestern states; West (U. S.) (s)

Westminster abbey

Refer from Abbeys; London

Whales
See also Cetacea; Whaling

Refer from Cetacea

Whaling
See also Harpoons

Refer from Seafaring life; Voyages and travels; Whales

Wharves
See also Docks; Piles and pile driving; *also* names of cities, subhead Wharves

Refer from Docks; Harbors; Hydraulic engineering; Piers (s); Piles and pile driving

Wheat
See also Flour and flour mills; Grain; Hessian flies

Refer from Flour and flour mills; Grain

Wheeling *see* Cycling
Wheels
See also Axles; Car wheels; Carriages; Machinery; Tires; Turbines; Water wheels

Refer from Axles; Carriages; Machinery; Tires; Vehicles

Whig party (England)

Refer from England — Politics; Political parties

Whig party (U. S.)

Refer from Political parties; U. S. — Politics

Whipping *see* Corporal punishment; Flogging
Whirlwinds *see* Storms
Whisky insurrection, 1794
See also Pennsylvania — History; U. S. — History — 1783–1812

Refer from Pennsylvania — History; U. S. — History — 1783–1812

Whist
See also Bridge whist; Cards

Refer from Bridge whist; Cards

White league *see* Ku-Klux Klan
White slave trade *see* Prostitution
Widows
See also Wives

Refer from Family; Wives; Women

Wife *see* Wives
Wild animals *see* Animals; Zoology
Wild flowers *see* Flowers
Wild fowl *see* Game birds; Water birds
Wild geese *see* Geese
Wilderness road

Refer from Boone's trail (s); Kentucky; Roads — U. S.; Virginia

Will
See also Ethics; Freedom of the will; Psychology

Refer from Ethics; Freedom of the will; Philosophy; Psychology; Volition (s)

Wills
See also Administrators and executors; Guardians; Inheritance; Legacies; Probate law and practice

Refer from Administrators and executors; Bequests (s); Genealogy; Inheritance; Law; Legacies; Probate law and practice; Property

Wind *see* Winds

Wind instruments
See also Bagpipes; Bands (music); Flute; Musical instruments

Refer from Bagpipes; Bands (music); Brass instruments (s); Flute; Musical instruments

Windmills

Refer from Farm motors; Irrigation; Machinery; Motors

Window dressing

Refer from Advertising; Business; Decoration and ornament; Shop window decoration (s); Show windows (s); Windows

Window gardening
See also Floriculture

Refer from Floriculture; Flowers; Gardening; House plants (s); Windows; Winter gardening (s)

Windows
See also Architecture; Glass; Grilles; Lattice; Skylights; Stained glass; Window dressing; Window gardening

Refer from Architecture; Building; Glass

Winds
See also Anemometer; Cyclones; Hurricanes; Meteorology; Storms; Tornadoes

Refer from Currents (s); Gales (s); Meteorology; Storms; Trade winds (s); Weather; Wind (s)

Windsor castle
See also Castles — England

Refer from Castles — England; Palaces

Wine
See also Grape; Liquors; Temperance

Refer from Grape; Liquors; Vine (s)

Wings
See also Birds; Flight

Refer from Birds; Flight; Insects; Zoology

Winter
See also Seasons; Winter resorts; Winter sports

Refer from Seasons

Winter gardening *see* Greenhouses; Window gardening

Winter resorts
See also Health resorts; Riviera

Refer from Health resorts; Resorts (s); Winter

Winter sports
See also Coasting; Curling; Hockey; Ice boats; Skating; Skees and skee-running; Sports; Tobogganing

Refer from Coasting; Curling; Hockey; Ice boats; Ice sports (s); Skating; Skees and skee-running; Sports; Tobogganning; Winter

Wire
See also Cables; Electric wire and wiring; Fence wire

Refer from Cables; Metals; Rope

Wireless telegraphy
See also Coherers; Electric waves

Refer from Coherers; Collisions at sea; Communication; Electric engineering; Electric waves; Electricity; Marconigrams (s); Radiotelegraphy (s); Signals; Space telegraphy (s); Telegraph; Telegraph, Wireless (s)

Wireless telephony *see* Telephone, Wireless

Wiring, Electric, *see* Electric conductors; Electric wire and wiring

Wise men of the East *see* Magi

Wit and humor *see* Humor

Witchcraft
See also Amulets; Charms; Demonology; Evil eye; Magic; Medicine men; Occult sciences; Superstition

Refer from Black art (s); Charms; Church history; Conjuring; Delusions (s); Demonology; Evil eye; Exorcism (s); Folklore; Magic; Necromancy (s); Occult sciences; Persecution; Sorcery (s); Spirits (s); Superstition

Witnesses
See also Evidence; Expert evidence; Perjury

Refer from Cross-examination (s); Evidence; Examination of witnesses (s); Law; Perjury; Trials

Wives
See also Domestic relations; Family; Husbands; Marriage; Mothers; Widows; Women

Refer from Domestic relations; Family; Husband and wife (s); Husbands; Marriage; Widows; Wife (s); Women

Wolf *see* Wolves
Wolves
See also Carnivora

Refer from Carnivora; Fur-bearing animals; Wolf (s)

Woman *see* Women
Woman suffrage
See also Women — Law; Women — Social condition

Refer from Rights of women (s); Suffrage; Suffragettes (s); Women; Women — Law; Women — Political status (s); Women — Rights of women (s); Women — Social condition

Women
See also Amazons; Beauty, Personal; Chastity; Children; Costume; Deaconesses; Education of women; Etiquet; Family; Fancy work; Girls; Harem; Home; Home economics; Love; Marriage; Matriarchy; Mothers; Needlework; Nuns; Nurses and nursing; Prostitution; Queens and empresses; Sex; Singers; Sisterhoods; Spinsters; Widows; Wives; Woman suffrage; Women as artists; Women as authors; Women as lawyers; Women as physicians; Women in literature and art; Women's clubs; Working women's clubs; Young women

Refer from Anthropology; Ethics; Family; Females (s); Girls; Home; Ladies (s); Man; Marriage; Mothers; Sociology; Wives; Woman (s); Young women

——**Biography**

Refer from Biography

——Clubs, *see* Women's clubs
——**Crime**
See also Infanticide; Prostitution

Refer from Crime and criminals

——**Diseases**
See also Hysteria; Medicine — Practice; Obstetrics; Women — Hygiene

Refer from Gynecology (s); Medicine — Practice; Women — Hygiene

——Education, *see* Education of women
——**Employment** [the economic question]
See also Factory system; Home labor; Sweating system; Women — Occupations

Refer from Factory laws; Factory system; Hours of labor; Labor and laboring classes; Sweating system; Women — Labor question (s); Women — Law; Women — Occupations; Working girls (s); Working women (s)

——**History**
——**Hygiene**
See also Hygiene, and references under that subject; Women — Diseases

Refer from Hygiene; Women — Diseases

——Labor question, *see* Women — Employment
——**Law**
See also Divorce; Marriage; Salic law; Woman suffrage; Women — Employment; Women — Social condition

Refer from Law; Rights of women (s); Woman suffrage; Women — Rights of women (s); Women — Social condition

——**Occupations**
See also Women — Employment; Women as artists; Women as authors; Women as lawyers; Women as physicians; *also* names of occupations, e.g. Dressmaking

Refer from Occupations; Profession, Choice of; Professions; Women — Employment

——Political status, *see* Woman suffrage
——Rights of women, *see* Woman suffrage; Women — Law; Women — Social condition

Women—Continued
——**Social condition**
See also Woman suffrage; Women — Law

Refer from Emancipation (s); Rights of women (s); Woman suffrage; Women — Law; Women — Rights of women (s)

Women as artists

Refer from Artists; Women; Women — Occupations; Women in literature and art

Women as authors

Refer from Authors; Women; Women — Occupations; Women in literature and art

Women as lawyers

Refer from Lawyers; Women; Women — Occupations

Women as physicians

Refer from Physicians and surgeons; Women; Women — Occupations

Women in literature and art [Enter here works containing delineations or representations of women in art and literature]
For the work of women as artists and as authors, *see* Women as artists, Women as authors

Refer from Art; Literature; Women

Women in the U. S. [Biography of American women should not be entered here, but under U. S.—Biography, and Women—Biography]
See also National characteristics, American; U. S. — Social life and customs

Refer from National characteristics, American; U. S. — Social life and customs

Women's clubs
See also Girls' clubs; Mothers' clubs; Study clubs; Working women's clubs

Refer from Clubs; Women; Women — Clubs (s)

Wonders of the world *see* Seven wonders of the world

Wood
See also Bark; Botany, Structural; Forests and forestry; Lumber and lumbering; Poles; Timber; Trees; *also* headings beginning Wood

Refer from Bark; Building materials; Forest products; Forests and forestry; Fuel; Timber; Woods (s)

——Distillation, *see* Wood distillation
——Fossil, *see* Trees, Fossil
——**Preservation**
See also Dry rot

Refer from Dry rot; Kyanizing (s); Poles; Preservation of wood (s); Railroads — Ties; Timber — Preservation (s)

Wood burning *see* Pyrography

Wood carving
See also Arts and crafts; Carving (art industries); Decoration and ornament; Furniture; Woodwork

Refer from Arts and crafts; Bas-relief; Carpentry; Carving (art industries); Decoration and ornament; Fret cutting (s); Furniture; Manual training; Woodwork

Wood distillation

Refer from Chemistry, Technical; Distillation; Wood — Distillation (s)

Wood engraving
See also Block books

Refer from Block books; Engraving; Woodcuts (s); Xylography (s)

Wood finishing
See also Graining; Lacquer; Painting, Mechanical; Stains and staining; Varnish and varnishing

Refer from Graining; House decoration; Painting, Mechanical; Stains and staining; Varnish and varnishing; Woodwork

Wood pulp
See also Cellulose; Paper

Refer from Cellulose; Forest products; Paper; Pulp wood (s); Pulpwood (s)

Woodcuts *see* Wood engraving
Woods *see* Forests and forestry; Wood

Woodwork
See also Bamboo; Cabinet work; Carpentry; Graining; Manual training; Pyrography; Stains and staining; Turning; Veneers and veneering; Wood carving; Wood finishing; Woodworking machinery

Refer from Architecture; Carpentry; House decoration; Industrial arts; Manual training; Slojd (s); Sloyd (s); Turning; Wood carving

Woodworking machinery
See also Lathes; Planing machines; Saws

Refer from Carpentry; Lathes; Lumber and lumbering; Machinery; Planing machines; Saws; Woodwork

Wool
See also Dyes and dyeing; Khaki; Sheep; Textile industry and fabrics; Woolen manufacture; Worsted; Yarn

Refer from Animal products; Fibers; Sheep; Textile industry and fabrics; Woolen manufacture; Worsted; Yarn

Woolen manufacture
See also Textile factories; Textile industry and fabrics; Wool

Refer from Textile industry and fabrics; Wool; Woolen mills (s)

Woolen mills *see* Textile factories; Woolen manufacture

Words
See also Definition; Etymology; Grammar; Language; Names; Pronunciation; Rhetoric; Spelling; Synonyms and antonyms; *also* names of languages

Refer from Etymology; Language; Names

Work
See also Labor and laboring classes; Overwork

Refer from Conduct of life; Hygiene; Labor and laboring classes

Workhouses
See also Prisons

Refer from Crime and criminals; Prisons; Punishment

Workhouses (charities) *see* Almshouses
Working classes *see* Labor and laboring classes
Working day *see* Hours of labor
Working girls *see* Girls; Women — Employment
Working girls' clubs *see* Working women's clubs
Working women *see* Women — Employment

Working women's clubs

Refer from Clubs; Women; Women's clubs; Working girls' clubs (s)

Workingmen's associations *see* Gilds; Labor unions; Workingmen's clubs

Workingmen's clubs

Refer from Clubs; Labor and laboring classes; Workingmen's associations (s)

Workingmen's dwellings *see* Housing problem
Workingmen's gardens *see* Vacant lot cultivation
Workingmen's insurance *see* Insurance, Accident; Insurance, Industrial; Insurance, State and compulsory
Workmen's compensation *see* Employers' liability; Wages
Works management *see* Factory management; Machine shop management; Scientific management
Workshop receipts *see* Receipts
World *see* Earth; Universe
World politics *see* International relations
Worlds, Plurality of, *see* Plurality of worlds
World's fairs *see* Exhibitions

Worms
See also Earthworms; Invertebrates; Parasites

Refer from Helminthology (s); Invertebrates

Worry
See also Fear

Refer from Anxiety (s); Conduct of life; Fear; Mental hygiene; Mind and body; Nervous system — Diseases; Psychology

Worship
See also Ancestor worship; Animal worship; Church attendance; Church music; Church services; Devil worship; Devotional

Refer from Church polity; Church services; Devotion (s); Devotional exercises; Idolatry; Liturgies; Prayer; Religion; Religions; Re-

exercises; Elements, Worship of; Family worship; Fetishism; Fire worship; Hymns; Idolatry; Incense; Litanies; Liturgies; Nature worship; Prayer; Prayers; Responsive worship; Rites and ceremonies; Ritualism; Sacraments; Sacrifice; Serpent worship; Sun worship; Totems and totemism; Tree worship

ligious services (s); Rites and ceremonies; Ritualism; Theology

Worsted
See also Textile industry and fabrics; Wool; Yarn

Refer from Textile industry and fabrics; Wool; Yarn

Wounds
See also Hemorrhage; Surgery

Refer from Accidents; Injuries (s); Surgery; Surgery, Military; Surgery, Naval

Wrecking
See also Salvage

Refer from Salvage; Shipwrecks

Wrecks *see* Shipwrecks

Wrestling
See also Jiu-jitsu

Refer from Athletics; Jiu-jitsu; Sports

Writers *see* Authors

Writing
See also Abbreviations; Alphabet; Authorship; Autographs; Books; Capitalization; Ciphers; Cuneiform writing; Forgery; Graphology; Hieroglyphics; Ink; Inscriptions; Letter writing; Lettering; Manuscripts; Paleography; Paper; Penmanship; Pens; Picture writing; Punctuation; Rhetoric; Shorthand; Typewriting

Refer from Alphabet; Books; Chirography (s); Ciphers; Graphology; Handwriting (s); Inscriptions; Language; Manuscripts; Paleography; Penmanship; Shorthand

Writing for the press *see* Authorship; Journalism

Wrongs *see* Torts

Wrought iron
See also Ironwork

Refer from Iron; Ironwork

Wrought iron work *see* Ironwork

Wyoming massacre, 1778

Refer from Massacres; Pennsylvania — History; U. S. — History — Revolution — Campaigns and battles

X ray photography *see* Radiography

X rays
See also Cathode rays; Electric discharges through gases; Ions; N rays; Radiography; Radiotherapy

Refer from Cathode rays; Diagnosis; Dislocations; Electric discharges through gases; Electricity; Fractures; Induction coils; Light; Radiation; Radioactivity; Radiography; Radiotherapy; Roentgen rays (s); Therapeutics

Xylography *see* Block books; Wood engraving

Yachting *see* Yachts and yachting

Yachts and yachting
See also America's cup; Aquatic sports; Boats and boating; Land yachts; Navigation; Sailing

Refer from America's cup; Aquatic sports; Boat building (s); Boats and boating; Cup races (s); Navigation; Racing (s); Regattas (s); Sailing; Shipbuilding; Ships; Sports; Steam yachts (s); Steamboats; Yachting (s)

Yarn
See also Cotton; Flax; Hemp; Silk; Spinning; Textile industry and fabrics; Wool; Worsted

Refer from Spinning; Textile industry and fabrics; Wool; Worsted

Yawning

Refer from Breathing; Physiology

Year
See also Calendar; Chronology; Months; Seasons

Refer from Calendar; Chronology; Months

Year-books *see* Yearbooks

Yearbooks
See also Almanacs; Annuals; Calendars

Refer from Almanacs; Annuals; Calendars; Registers; Statistics; Year-books (s)

Yeast
See also Fermentation

Refer from Cookery; Fermentation

Yellow fever
See also Mosquitoes

Refer from Contagion and contagious diseases; Epidemics; Fever; Insects as carriers of contagion; Medicine — Practice; Mosquitoes; Tropics — Diseases and hygiene

Yellow journalism *see* Journalism; Newspapers
Yellow peril *see* Eastern question (Far East); Race problems; Yellow races
Yellow races
See also Color of man; Mongols; Ethnology — China; Ethnology — Japan

Refer from Ethnology; Ethnology — Asia; Ethnology — China; Ethnology — Japan; Race problems; Yellow peril (s)

Yells
See also Battle cries

Refer from College yells (s); Cries (s)

Yiddish language

Refer from German Hebrew (s); Hebrew language; Jewish language (s); Jews — Language (s); Judaeo-German (s); Judeo-German (s)

Yiddish literature

Refer from Hebrew literature; Jewish literature; Jews — Literature (s)

Yoga
See also Hinduism; Philosophy, Hindu; Theosophy; Vedanta

Refer from Hinduism; Philosophy, Hindu; Theosophy; Vedanta

Young men
See also Boys; Conduct of life; Gentlemen; Men; Self-culture; Success; Youth

Refer from Boys; Conduct of life; Men; Young people (s); Youth

Young people *see* Boys; Children; Girls; Young men; Young women; Youth
Young women
See also Conduct of life; Girls; Self-culture; Women; Youth

Refer from Conduct of life; Girls; Women; Young people (s); Youth

Youth
See also Boys; Children; Girls; Puberty; Young men; Young women

Refer from Adolescence (s); Age; Boys; Child study; Children; Conduct of life; Girls; Puberty; Young men; Young women; Young people (s)

Zend-Avesta *see* Avesta
Zinc
See also Brass; Galvanizing; Metals

Refer from Metals; Mines and mineral resources; Sheet-metal work

Zincography
See also Etching

Refer from Etching; Lithography; Lithozincography (s); Printing

Zionism
See also Jews

Refer from Jews; Jews — Political and social conditions

Zoar community *see* Separatist society of Zoar
Zoarites *see* Separatist society of Zoar
Zodiac
See also Astrology; Astronomy

Refer from Astronomy; Stars

Zodiacal light
See also Auroras

Refer from Astronomy; Light

Zoogeography *see* Geographical distribution of animals and plants
Zoological gardens
See also Menageries

Refer from Animals; Animals in captivity (s); Menageries; Parks; Zoology

Zoological mythology *see* Animal lore; Animals, Mythical
Zoological nomenclature *see* Zoology — Nomenclature
Zoologists
See also Entomologists; Naturalists; Ornithologists

Refer from Naturalists; Scientists; Zoology

Zoology [for systematic works and those dealing with zoology as a science]

See also Anatomy, Comparative; Animalcules; Animals; Aquariums; Biology; Birds; Cave fauna; Cells; Color of animals; Domestic animals; Domestication; Ecology; Electrophysiology; Embryology; Evolution; Fish; Fresh-water fauna; Fur-bearing animals; Game; Geographical distribution of animals and plants; Heredity; Horns; Insects; Instinct; Invertebrates; Mammals; Man; Marine zoology; Menageries; Mendel's law; Microscope and microscopy; Monsters; Natural history; Nature study; Nests; Paleontology; Parasites; Phosphorescence; Physiology, Comparative; Psychology, Comparative; Quadrupeds; Reproduction; Species; Taxidermy; Variation (biology); Vertebrates; Wings; Zoological gardens; Zoologists; *also* headings beginning Animal, and names of animals and of classes, orders and families of animals

Refer from Anatomy, Comparative; Animal kingdom (s); Animals; Beasts (s); Biology; Brutes (s); Domestic animals; Fauna (s); Invertebrates; Mammals; Natural history; Nature; Nature study; Quadrupeds; Science; Vertebrates; Wild animals (s)

——**Economic**

See also Animal products; Birds, Useful and injurious; Domestic animals; Fur-bearing animals; Insects, Injurious and beneficial

Refer from Animals, Useful and harmful (s); Economic zoology (s)

——**Nomenclature**

Refer from Names; Nomenclature (s); Terminology (s); Zoological nomenclature (s)

——**U. S.**

See also Birds — U. S.; Fish — U. S.; Insects — U. S.; Mollusks — U. S.; Reptiles — U. S.

Refer from Natural history — U. S.; U. S. — Fauna (s); U. S. — Zoology (s)

Zootomy *see* Anatomy, Comparative

Zoroastrianism

See also Avesta; Dualism; Fire worship; Parsees

Refer from Avesta; Dualism; Fire worship; Parsees; Religions

Zymotic diseases *see* Contagion and contagious diseases